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TO OUR FRIENDS

NEARLY HALF A CENTURY.

PORTY-TWO YEARS have elapsed since we began business, and our increased trade year by year since then testifies to our popularity. Our dealings are no longer confined to nearby sections, but to nearly every State in the Union, and each year we are reaching out farther and farther until now we find ourselves in foreign countries. The reason for this goes without saying.

In 1888 we issued our first Annual Descriptive Catalogue, and from a few thousands our mailing list has reached enormous proportions. Judging from the past, with increased facilities for doing business, who can foretell the possibilities of the future. Volume and diversity is what has brought our business to its present magnitude, and now we are in a position to satisfy every want of the farmer and gardener in their respective lines.

Trusting to continue to hold your esteem, we confidently present to you this our Fifteenth Issue.

JOHN M. GRIFFITH, President. M. S. GRIFFITH, Vice-President.

RESPECTFULLY YOURS, Griffith & Turner Company, GEORGE W. HOBBS, Secreta

Branches: {

116 AND 118 LIGHT ST. 366 N. GAY ST.

205 to 209 N. Paca St., BALTIMORE, MD., U. S. A.

Cable Address: "GRIFFTURN, BALTIMORE."

Prospective Customers who are not rated <u>in the Commercial Agencies</u> will save time in having their goods shipped by accompanying their Orders either with the cash or satisfactory references. Baltimore references

preferred.
NOTICE.—We make a specialty of quoting on complete Outfits. SEND FOR PRICES.

SEED TABLET.

The Quantity of Seed Usually Sown to an Acre. Asparagus
to an Acre.
Porley broadcast
Beans, dwarf, in drills 1 to 1½ bus.
Beans, pole, in hills 8 to 10 qts.
Beet, in drills 4 to 6 lbs.
Broom Corn, in hills 4 to 6 qts.
Buckwheat, broadcast
Cappage, in beds, to transplant
Celery to transplant
Corn in hills 8 qts.
Corn. for soiling 2 to 3 bus.
Clover, Alsike
Clover, red, alone
Clover, white, alone
Clover, White, with other seeds 4 lbs.
Clover scarlet
Cucumber, in hills 2 lbs.
Flax, broadcast 1 to 2 bus.
Grass, blue, alone 28 lbs.
Grass, Hungarian
Grass
Grass, orchard
Grass orchard
Grass, red top
Grass, R. I. Bent 3 bus.
Timothy
Kale 4 to 6 lbs.
Millet
Melon, musk
Mustard broadcast
Mangoldwurzel 4 to 6 lbs.
Oats, broadcast 2 to 2½ bus.
Onions, in drills (to make large onions)
0 1 0 1 0 8 lbs.
Onion Seeds, for small sets 40 to 60 lbs.
Parsnip, in drills
Peas Marrowfat in drills 14 bus.
Peas, broadcast 2 to 3 bus.
Potato, cut tubers, in drills 8 bus.
Radish, in drills 6 to 8 lbs.
Radish, broadcast 10 lbs.
Rye, broadcast
Sarghum 10 to 12 lbs.
Spinach in drills
Squash, bush varieties, in hills 4 to 6 lbs.
Squash, running varieties, in hills.3 to 4 lbs.
Turnip, in drills
Turnip, broadcast 2 to 3 lbs.
Tomato, to transplant
Wheat broadcast
Wheat in drills 1 bus.
Clover \ (8 lbs.
Timothy } Together for 1 acre. { 10 lbs.
Wheat, in drills 1 bus. Clover Imothy Red Top Together for 1 acre. Red Top 14 lbs.
O THE STATE OF THE

QUALITY OF SEEDS.

We do not sell the cheapest seeds, but make LOWEST PRICES consist-ent with quality. They will please you.

We give no warranty, expressed NOTICE. or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ORDERS from unknown correspondents must be accompanied with the cash.

SEEDS TRUE TO NAME

The first consideration of the farmer or gardener in purchasing is whether he will Secure Seeds True to Name. Our exacting care in the selection of seed stocks, and having grown nothing but the Best, should be sufficient assurance that our Seeds Are True to Name.

TESTED SEEDS.

'the germination of Seeds is the next consideration; therefore the planter will appreciate the fact when we tell him that our Seeds are all thoroughly tested, and unless they germinate or sprout satisfactorily are discarded.

NEW SEEDS TESTED.

Although Seeds may be new and fresh, yet they Should be Tested Thoroughly, as there is frequently a certain percentage Blighted or Unripe; consequently our system of always Testing Seeds before placing them on the market protects the customer from possible loss.

CASH DISCOUNTS ON

Griffith & Turner Co.'s

TESTED SEEDS.

12	5c.	Packets	for				۰	50c.
25	5c.	64	44					\$1.00.
6	10c.	44	4.6					50c.
13	10c.	44	4.6					\$1.00.
25	10c.	44	66					\$2.00.

Mailed Free on Receipt of Amount.

. . ALSO . .

Orders for Seeds in packets, and Peas, Beans and Corn in pints and quarts, amounting to \$5.00, at our regular Catalogue prices, will be filled for \$4.00 cash, and orders amounting to \$3.00 on the same basis for \$2.50 cash, purchaser in both cases paying expressage.

ALL PRICES

IN THIS CATALOGUE SUBJECT TO CHANGE WITHOUT NOTICE.

QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS, OR LENGTH OF

Treasurer.

Asparagus 1 oz. to 50 ft. drill.
Beet 1 oz. to 50 ft. drill.
Celery 1 oz. to 100 ft. drill.
Carrot 1 oz. to 100 ft. drill.
Endive 1 oz. to 150 ft. drill.
Egg Plant 1 oz. to 300 ft. drill.
Lettuce 1 oz. to 150 ft. drill.
Okra 4 oz. to 100 ft. drill.
Onion 1 oz. to 100 ft. drill.
Onion Sets, small 1 qt. to 100 ft. drill.
Parsley 1 oz. to 150 ft. drill.
Parsnip 3 oz. to 100 ft. drill.
Radish 2 oz. to 100 ft. drill.
Salsify 1 oz. to 70 ft. drill.
Spinach 2 oz to 100 ft. drill.
Turnip 1 oz. to 150 ft. drill.
Peas 1 qt. to 100 ft. drill.
Dwarf Beans 1 qt. to 100 ft. drill.
Leek 1 oz to 100 ft. drill.
Leek 1 oz to 100 ft. drill. Pole Beans 1 qt. to 150 hills.
Corn 1 qt. to 200 hills Cucumber 1 oz. to 50 hills.
Cucumber 1 oz. to 50 hills.
Watermelon 1 oz. to 30 hills.
Muskmelon 1 oz. to 60 hills.
Pumpkin 1 oz. to 40 hills.
Early Squash 1 oz. to 50 hills.
Marrow Squash 1 oz. to 16 hills.
Cabbage.1 oz. seed will produce 2000 plants.
Cauliff'r1 oz. seed will produce 2000 plants.
Celery1 oz. seed will produce 3000 plants.
Egg Pl'nt1oz. seed will produce 1000 plants.
Lettuce1 oz. seed will produce 3000 plants.
Pepper1 oz. seed will produce 1000 plants.
Tomato1 oz. seed will produce 1500 plants.

FILLING ORDERS.

Every order is filled and forwarded as promptly as possible, but if not duly received, please notify us and we will make every effort to trace it without delay. Do not fail to sign your name and give full address.

PACKING AND SHIPPING.—We make no charge for boxes or packing of retail orders, and deliver all goods to any railroad or stemboat free of charge. We charge for cotton bags as follows: Peck and ½ bushel, 10 cents each; 1 bushel, 15 cents each; 2 bushels, 20 cents each.

HOW TO REMIT.—Remittances should be made by Draft, Express Money Order, P. O. Money Order or Registered Letter.

WE PAY THE POSTAGE TO ANY P. O. IN THE U. S. ON ALL VEGETA-BLES AND FLOWER SEEDS,

By the Packet, Ounce or Quarter Pound. By the Packet. Ounce or Quarter Pound. On quantities over quarter pound the purchaser pays the postage at a rate of 8 cents per pound. On Beans, Peas and Corn, 8 cents per pint or 15 cents per quarter should be added to Catalogue Price to pay postage.

ON EVERY ORDER be sure to sign your name and give your address plainly, as we frequently receive orders lacking either or both; also give full shipping instructions.

PRICES TO MARKET GARDENERS.

Market gardeners and all other purchasers of Seeds. in large quantities, should send for our special prices.

OUTFIT. TERS OF EVERY-THING FOR THE

GRIFFITH & TURNER COMPANY

205, 207, 209 and 213 NORTH PACA STREET.

MARYLAND, U. S. A. BALTIMORE.

PRODUCE CROPS.

Griffith & Turner Co.'s Seeds not only germinate, but the stocks are of best quality and make profitable crops,

"GIVES PLEASURE TO RECOMMEND IT."

Maryland, March 20, 1901.

I like your seed very much, and it gives me pleasure to recommend it.

MISS RETTIE HANSBROUGH.

"THE BEST AND ONLY TRUE NORTHEASTERN SEED HOUSE."

Louisiana, February 7, 1901. We have always favored your Cabbage Seed. The best and only true Northeastern Seed House. HENRY CORBINS.

FARM,

DAIRY.

YARD.

GARDEN,

POULTRY

SUPPLIES. POULTRY

To make a profit and be successful with Poultry, it is essential to feed egg-producing foods. These are to be found in our complete assortment. (See Pages 58, 59, 60 and 61.)

"THE FINEST I EVER SAW."

THE BEST WE EVER BOUGHT.

West Virginia.

Please find money for Seeds named. Hope our Seeds will be as good as last year. They were the best we ever bought.

Mrs. J. W. THOMPSON.

The Tomato Seed I bought of you last spring was the finest Seed I ever saw. I got you several orders, and think I will get you more this season. I shall want as much as ten pounds of Tomato Seed later.

R. T. WHITE. "BEATS ALL I EVER SAW.""THEY ARE GRAND SEED."

The White Pearl Onion Seed I bought from you last year beat all Onions I ever saw grown from seed. My Cabbage has done well, and if I live to see next winter I will buy more seed from you. They are grand seed. J. W. TEDGWICK.

"TRUE TO NAME."

Ohio, March 11, 1901.

I bought Seeds of you last year, and they proved true to name and excellent vitality. Therefore, I place my order with you again this year.

FLOWERING PLANTS, ROSES AND BULBS.

We are prepared to furnish Choice ROSES, CHRYSANTHEMUMS, CANNAS, GERANIUMS, Etc., Etc., at reasonable prices. EVERY HILL TRUE TO NAME.

Maryland.

"THANKFUL FOR FINE CROP."

West Virginia, January 12, 1901, I am thankful for the fine crop of Vegetables that I grew from your reliable Seeds, which causes me to send for more.

WILLIAM CONRAD.

FINE SUCCESS.

Alabama. I had fine success with the Bulbs I got from you last season.

W. F. JOHNSTON.

"FINEST IN THE COUNTRY."

Maryland. Last year you sent me four bushels of German Millet Seed, and I now have five acres of it. Everyone says it is the finest in the country. It is in a low meadow, and the dry weather does not have any effect upon I. F. A. WELTY.

The Rocky Ford Seed I got of you last year was excel-lent and every hill proved true to name.

J. A. RICHARDSON.

"VERY MUCH PLEASED."

Maryland. We were very much pleased with the Garden Seed we got from you. What we have sown are doing splen-lidly. "FIND NONE TO COME UP TO THEM." didly.

The "World's Fair" and the "Brinton's Best" To-matoes are good, and should be called World's Beater Tomato. I have had a great many different Tomatoes, but find none that will come up to them.

"MORE THAN PLEASED." Virginia, September 17, 1901. I am more than pleased with your Seed.
N. E. MILLER.

Griffith & Turner Co's Seeds are Tested Every Season from Selected Crops.

Read all instructions on Second Cover Page. It will save trouble.

Send in your orders for complete FARM, GARDEN, DAIRY or POULTRY-YARD OUTFITS.

FILL OUT THE MONEY ORDER APPLICATION to be found inclosed, and take to your Postoffice when sending money by Postoffice Order.

TIME FOR SOWING IN THE OPEN GROUND.

TIME FOR SOWING IN THE OPEN GROUND.

THESE DIRECTIONS apply to the vicinity of Baltimore and Philadelphia. South of this they should be sown earlier, and North later.

BEANS.—From 1st of May till August.

BEETS.—Soon as ground can be worked in spring.

CABBAGE.—For early use, sow in hot bed in February and transplant in April to open ground; for late use, sow in May or June.

CAULIFLOWER.—Sow about the same time as Cabbage. For late crop sow in June, and they will head up in

CAULIFLOWER.—Sow about the same time as Cabbage. For late crop sow in June, and they will head up in cool weather, and escape injury from the heat.

CARROT.—For early, sow from 1st of April to middle of May, and for late crop in June or July.

CELERY.—Sow as soon as ground is open in spring, and transplant in July.

CUCUMBER.—Sow about 1st of May for early, and for pickling in July.

LETTUCE.—Sow as soon as ground can be worked in spring, and at intervals as desired.

MELONS.—Sow in May and June.

ONION.—Sow early as possible in spring.

PARSNIP.—Soon as ground can be worked.

PEAS.—Sow in March and at intervals through the season, as desired.

PEAS.—Sow in March and at intervals through the season, as desired.
PUMPKIN.—Plant in May or June.
MADISH.—Soon as ground is ready, and all through the

BEFORE ORDERING, READ THIS CATALOGUE CAREFULLY. It will be found that many questions are answered.

NUMBER OF TREES TO AN ACRE.

The question is trequently asked how many trees should be planted to an acre. We give below a table of various distances: 4.840 1 20 feet each way

O ACCE CALCIE TO ALLE TO A STATE OF THE PERSON OF THE PERS	1,010	ao rect	CHCII	** 48 7	100
4 feet each way		25 feet	each	way	69
5 feet each way	1,742	30 feet	each	way	48
6 feet each way	1,210	33 feet	each	way	40
8 feet each way	680	35 feet	each	way	35
10 feet each way	435	40 feet	each	way	27
12 feet each way	302			way	21
15 feet each way	193			way	17
18 feet each way	134				
DISTAN	CE FOR	R PLAN	FING.		

Dwarf Pear Curr

TO COUNTRY MERCHANTS.

WE PUT UP VEGETABLE SEEDS in papers for the Country Trade, in quantities to suit purchasers. Our Seeds are select and tested, and give satisfaction wherever used.

Beans, Peas, Corn. etc., in bulk, at lowest wholesale rates. Write for special quotations in quantities.

Should you have placed your order for small papers for this year, we will be pleased to fill any shortage you may have, and solicit your patronage for another season.

season.

FOR CASH DISCOUNTS, SEE SECOND PAGE COVER.

LETTUCE	1 oz. o	ficee	d wil	l produce	.3000	plants.
PEPPER-1	oz. of	Seed	will	produce	.1000	66
TOMATO-1	oz. of	Seed	will	produce	1500	44

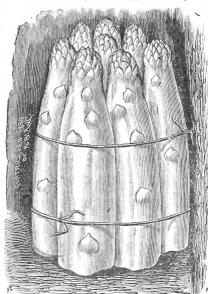


GRIFFITH & TURNER CO. gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

German, Spargel.

This is one of the earliest spring vegetables, and should be in universal use. Many persons think it is difficult to grow, but we consider this a mistake, and believe it can be produced as cheapily and easily as any on the list. Sow the seed in the seed bed late in the fall or in the early spring, as soon as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. When the plants are four to five inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will sow forty feet of row. Thin to nine inches in the row.

MAMMOTH WHITE ASPARAGUS.



MAMMOTH WHITE.

IN ADDITION to the marvelous advantage of its white color, the Columbian Mammoth White Asparagus is even more robust and vigorous in habit and throws larger shoots, and fully as many of them, as the Conover's Colossal. When we add to these the immense advantage of its needing no earthing up in order to furnish the white shoots so much sought after, we think it evi-dent that it is superior to any sort now in cul-tivation, and that no Asparagus grower can afford to plant seed of afford to plant seed of any other kind. Mar-ket gardeners, growers for canners and ama-teurs should give this great acquisition a thorough trial. Pkt., 5e. Oz., 10c. 1/4 Lb., 20c. Lb., 60c. Lb., 60c.

BARR'S MAMMOTH.
This splendid variety,
highly recommended for its many good qualities, is very produc-tive and about 10 days

earlier than Conover's Colossal. The stalks are very large and retain their thickness completely up to the top of the shoots; very tender and succulent; of delicious flavor; grow very quickly; light in color. Pkt., 5c. 0z., 10c. 1/4 Lb., 15c. Lb., 50c. 5 Lbs., \$2.

LARGE GREEN GLOBE.—This is a very nice vegetable to eat. Some prefer it cooked like Asparagus; that is, take the flower head before it begins to open and cook much the same way as Pkt., 10e. 0z., 30c. Asparagus.

JERUSALEM .- The tubers roasted, or boiled, served with butter, salt and pepper, makes a dish some think superior to Potatoes. They are most excellent feed for cows and will cause an increase in quantity and quality of milk. Pk., \$1. Bus., \$2.50.

PALMETTO ASPARAGUS.

THIS Asparagus, said to have originated in South Carella THIS Asparagus, said to have or originated in South Carolina, is now quite extensively grown by Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size and regularity. An average bunch of 15 shoots will measure 13 to 14 inches in circumference. For several seasons this ference. For several seasons this Asparagus has reached Northern markets 10 days ahead of all other varieties, and sold at fabulous prices. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., \$1.75.

CONOVER'S COLOSSAL.-The old and well-known variety. Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., \$1.50.

ASPARAGUS ROOTS.

A saving of one to two years is effected by planting roots. A bed 12x40 feet, requiring about 100 roots. A hed

should give a sufficient supply for an ordinary family. 7,260 roots will plant an acre. Select good loamy soil, plough deep, put in good quantity of manure, and 100 lbs. kainit to 1,000 square feet of bed. Incorporate thoroughly, make a trench 8 inches deep, set of bed. Incorporate thoroughly, make a trench 8 inches deep, set plants 9 inches apart. In field culture rows are placed 4 feet apart.

Harr's Mammoth.—Per 100, \$1.00. Per 1000, \$4.50.

Palmetto.—Per 100, 75c. Per 1000, \$4.00.

Colossal.—Per 100, 75c. Per 1000, \$4.00.

Mammoth White.—Per 100, \$1.00. Per 1000, \$5.00.

Extra size roots, 50c. per 1000 additional to above prices.

BEST ASPARAGUS BUNCHER.-\$1.50. ASPARAGUS KNIVES.-25c. By mail, 35c.



WARF BEANS.

Asparagus Buncher.

Select light, warm soil, and plant when danger from frost is past in the spring, in drills 2 to 2½ feet apart, dropping the Beans about 2 inches apart in the drills, and cover 2 inches apart in the drills, and cover 2 inches in May until August.

WHITE MARROWFAT.—Extensively grown for sale as a ry bean for winter use. Qt., 15c. Peck, 90c. Bus., \$3.25. dry bean for winter use.

white NAVY.—A well-known variety for field culture, very rollfic. Qt., 15c. Peck, 90c. Bus., \$3.00. prolific.

DWARF, BUSH BEA OR SNAP.

DWARF GREEN PODDED.

EARLIEST MARKET.—This is well named, being the earliest Bean in existence, and therefore very profitable to the market gardener, and desirable to the private gardener as well. The pods are long, broad, green and very showy, reaching maturity in 30 days from germination, and the habit of vine very productive.

Qt., 30c. Peck, \$1.50. Bus., \$5.25.

TRIUMPH OF THE FRAME.—This variety is particularly adapted for Pt., 25c. Qt., 50c. forging. Very dwarf, prolific and tender.

Refugee, but is nearly two weeks earlier. It is enormously prolific, and from its earliness is almost certain to produce a crop, no matter how unfavorable the season. Is rapidly becoming a favorite sort, as it matures equally early with the Red Valentine, and has that beautiful silvery green color in the pods that is so much desired.

Qt., 20c. Peck, \$1.00. Bus., \$3.00.

EARLY REFUGEE, OR BROWN VALENTINE.—Resembles the Red Valeptine, but 2 weeks later; very productive. Qt., 20c. Peck, 90c. Bus.. \$3.

FARLY MOHAWK.-Qt., 20c. Peck, \$1.00. Bus., \$3.00.

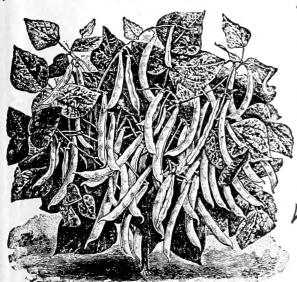
DWARF HORTICULTURAL.—A very green-podded sort, used as a shell Bean, and for this purpose is one of the finest in general use; long a favorite with those who use a shell Bean in a green state.

Pt., 15c. Qt., 25c. Peck, \$1.15. Bus., \$4.00.

MEST OF ALL.—One of the most valuable green-podded sorts for family or market use. The pods are 6 inches long, very fleshy, succulent, stringless, and of rich flavor; are produced early and abundantly. Qt., 25c. Peck, \$1.25.

EMPEROR WILLIAM.—An extra early white variety of good quality Pkt., 15c. Qt., 25c. Peck, \$1.50.

LONG YELLOW SIX WEEKS.-Very early, hardy Bean, Qt., 20c. Peck, \$1.00. Bus., \$3.25.



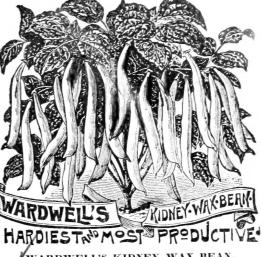
N E W STRINGLESS GREEN POD .- One of the earliest varieties. round and full, absolutely stringless and of beautiful stringless and of beautiful fleshy appearance, quality excellent. The only green-pod Bean of which the pods never develop any strings. Qt., 20c. Peck, \$1.06. Bus., \$3.25.

NEW GOLDEN-EYED WAX.-This fine new bush Bean is very early; the vine grows vigorously to about 1½ feet high, holding pods off the ground. The pods are handsome, long, straight and flat, remarkably free from rust, and keep well.

Qt., 25c. Peck, \$1.25.

DWARF PROLIFIC BLACK WAX. - Yellow pod; a very superior snap short, ripening among the first earlies, and having the best characteristics. Very tender. Pt., 15c. Qt., 30c. Peck, \$1.25. Bus., \$4.25.

Dwarf Wax Podded.



WARDWELL'S KIDNEY WAX BEAN.

AHIS is one of the best of the wax sorts. The vines are remarkably vigorous, hardy and productive. The pods are very large, smooth, showy, ten-The pods are very large, smooth, showy, tender, perfectly stringless, and of unusually fine quality.

Qt., 30c. Peck, \$1.25. Bus., \$4.50.



NEW PENCIL POD WAX BEAN.

CARLIEST RED VALENTINE.

EN DAYS earlier than the ordinary Red Valentine Bean, and therefore the best for truckers and market eners. It is without doubt the very gardeners. best and earliest green Snap Short Bean. The habit of the vine is dwarfed and very uniform. Color of pods light green, round, curved, succulent, prolific, continuing long in edible condition.

Qt., 20c.

Peck, 90c.

Bus., \$2.75.

HOPKINS' EXTRA EARLY VALENTINE.

A choice stock we have had for several years. Peck, \$1.00. Bus., \$3.50.

GIANT STRINGLESS GREEN POD.

Resembles very much the old Valentine. The plants are of strong growth, very productive; pods 5 inches long, light green, slightly curved, very meaty, britte and stringless at all stages and of mild flavor. Qt., 20c. Peck, \$1.10.

Bus., \$3.50.



NEW PENCIL-POD WAX BEAN.

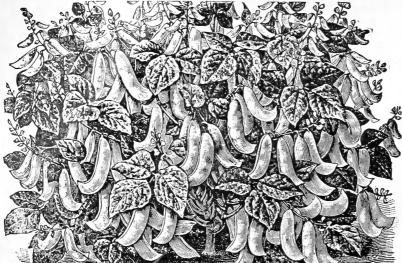
ERY EARLY and productive. Pods long, straight and handsome; color light golden yellow; strong and vigorous bush. One of the best varieties.

> Peck, \$1.25. Qt., 20c. Bus., \$4.50.

CURRIE'S RUST-PROOF BLACK T.L.W.

For earliness and freedom from rust it is at the head of the Wax Bean family. Habit, upright and robust, holding the pods well from the ground. Pods long, straight, flat and very meaty, of a beautiful golden color; quality not surpassed, and for productiveness it is unequaled.

Qt., 30c. Peck, \$1.00. Bus., \$3.75,



THE BUSH LIMA BEANS ARE RAPIDLY GAINING FRIENDS AND HAVE EVIDENTLY COME TO STAY,

DREER'S BUSH LIMA.

A dwarf variety of the Dreer's Improved Lima which has been fixed in its character of a busl Bean; it is very prolific, single plants often produc ing from 150 to 200 pods. Equal in quality and tenderness to Dreer's Pole Lima.

Pt., 15c. Qt., 30c. Peck, \$2.00.

HENDERSON'S DWARF These are valuable because they do not need poles, and being so dwarf can be planted close together. They are very

early and prolific, continuing to bear until frost.

Qt., 25c.

Peck, \$1.50.

HE bushes grow 18 to 20 inches high, stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush, from 2 to 3 feet in diameter. The bush character is thoroughly established, not one plant in a thousand showing any disposition "to run." It is an immense yielder, each bush bearing from 50 to 200 of the handsome, large pods, well filled with very large Beans, which are identical in size and luscious flavor to the well-known large Pole Limas. By the introduction of this most valuable novelty the largest and best Lima Beans can now be raised in quantity at little cost, without the expense and labor attached to the use of poles.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.00.

POLE LIMA BEANS.

FORD'S MAMMOTH POLE LIMA BEAN.—The pods grow to an average length of 8 inches, are produced in great clusters, with from 5 to 7 Beans per pod, of most excellent quality, for using either green or dry. The vines grow visorously, setting the Beans early at the bottom of the pole, and continue in bearing up to frost. Qt., 30c. Peck, \$1.75. Bus., \$6.50.

EXTRA EARLY JERSEY LIMA.—This variety is 2 weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

EXTRA LARGE LIMA.—This is a splendid sort, and takes a leading place with growers, because of its many excellent qualities. As a shell Bean, surpasses all in quality, and is the favorite with most people. The Beans are very large, tender and of delicious flavor.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

DREER'S IMPROVED. OR CHALLENGE POLE LIMA.—This popular Bean is considered by many growers superior to all others in quality and productiveness. When green it is as large as the large Lima, thicker, sweeter and more tender and nutritious, remaining green in the pod for a long time after maturing.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

KING OF THE GARDEN LIMA.—This Bean has met with enormous sales the past few seasons. They are vigorous growers, setting their Beans early at bottom of pole, producing continuously to the end of the season. They are more prolific than the ordinary Lima, bearing pods 5 to 7 inches long in clusters of 4 and 5, with 5 to 6 Beans in a pod.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.50.

LARGE WHITE LIMA.—One of the best of the pole Beans, either green or dry.

Qt., 25c. Peck, \$1.50. Bus., \$5.50.

Vseasons.

Pole Beans.

SET THE POLES 3 or 4 feet apart, and plant 6 to 8 Beans, with the eyes downward, around each pole, thinning to 4 healthy plants when they are up. They require the same soil and treatment as the Dwarf varieties, with the exception that they crave stronger soil and do best in a sheltered location.

MARYLAND WHITE.—This new White Pole Bean is destined to take its place as one of the best Beans ever grown for general purposes. Its thick, meaty, green pods are very tender, rich in flavor, and produced in great abundance. It is equally valuable as a snap or shell Bean. It has been grown in Maryland to a very limited extent for a few years, and those who have grown it oce want it again. Pt. 15c. Qt. 30c. Peck, \$1.75. Bus., \$6.00.

LAZY WIFE.—Large, pale green pods, very thick-meated, stringless, rich, tender and bettery; ripens early; clings well to the pole; enormously productive; splendid either as a snap of shell Bean; retains its exquisite flavor until nearly ripe.

MENTUCKY WONDER.—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 or 10 inches in length, nearly round when young, and very crisp.

SPECKLED HORTICULTURAL OR WREN'S EGG.—An old favorite for both snap-shorts and dry Beans. Qt., 25c. Peck, \$1.50. Bus., \$5.75.

WHITE CHERRY.—Great favorite; used with or without pods.

Pt., 15c. Qt., 25c. Peck, \$1.50. Bus., \$5.50.

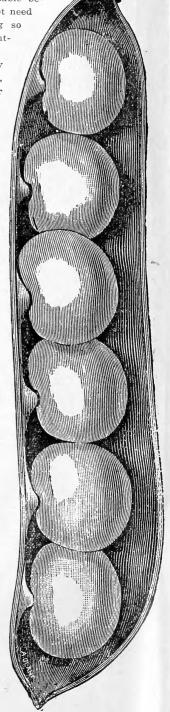
WHITE OF A splendid, vigorous and productive variety stringless and distinctly creased along the back; hence its name. This variety is especially valuable for its extreme earlives and its habit of perfecting all of its pods at the same time.

Qt., 20c. Peck, \$1.50. Bus., \$5.50.

SPECKLED CUT-SHORT, OR CORN-HILL—An old variety, very popular for planting among Corn, and will give a good crop, without the use of poles; vines medium, with dark-colored, smooth leaves; pods short, cylindrical and tender.

Pt., 15c. Qt., 20c. Peck, \$1.50. Bus., \$6.00.

DUTCH CASE KNIFE.—Vines moderately vigorous, climbing well, but not twining so tightly as some, and so may be used



One ounce of Seed will sow one hundred feet of drill.

SELECT a deep, rich, sandy loam, and manure with well decomposed compost or a good chemical fertilizer. Sow in drills, 14 to 16 inches apart, and cover 1 inch deep. When the young plants appear, thin to 4 or 5 inches apart. For early use, sow as soon as the ground can be worked in the spring; for autumn use, about the middle of May, and for winter use, during June or July, according to the variety—the long varieties requiring more time to mature than the round, early kinds.



HIS is our Special Stock of Early Blood Turnip Beet, which we have been growing for a number of years, and which the mar-ket gardeners of Baltimore and other places pre-fer It is of dark red color, handsome shape and early, Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. SWISS CHARD .- 0z., 10c. Lb., 25c.

BASSANO, OR EXTRA EARLY TURNIP.— Flesh white and rose; very sweet and tender. Pl., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. Plt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. EXTRA EARLY EGYPTIAN.—This is a flat Beet, very early and deep red color. Owing to the small top, it can be planted very close. Plts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. LARGE LONG BLOOD.—A large and desirable late variety of deep red color. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. Its qualities are extra early, dark red color, fineness of shape and small top. One of the most attractive varieties grown, and is specially desirable for hot-beds on account of its small top and close-growing habit.

Pkt., 5c. Oz., 10c 1/4 Lb., 15c. Lb., 49c.

6. & T. Co.'s Early Blood Turnip Beet

THIS is one of the finest formed and handsomest colored Beets on the market. It is unsurpassed in the uniformity and beauty of the crop. It is exceedingly early and produces more marketable specimens on the same acreage than any other

Pkt., 5c. Oz., 10c. 1, Lb., 40c. 1/4 Lb., 15c.

EDMOND'S RED TURNIP.

The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size, and deep blood color. It has a small top, and may be planted close.

Pkt., 5e. Oz., 10e. 1/4 Lb., 15e.
Lb., 40e.

CROSBY'S IMPROVED EGYPTIAN BEET.

A very superior strain of the well-known Egyptian, carefully selected, deep blood color, quick, rapid growth. The shape is very desirable, as shown in the accomvery desirable, as shown in the accompanying photograph, being not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. It may be sown outside as late as July.

Pkt., 5c. 0z., 10c. 1/4 Lb., 15c.

Lb., 40c.

ECLIPSE BEET.

This extra early Beet is remark-

b., 15c.

This extra early Beet is remarkable for its fine quality and rapid
growth; is of deep red color and
handsome shape. As an early market sort it is ungivaled. It is, to a large extent, superseding the avaled. It is, to a large extent, superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table. Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., \$1.50.



(German, Gruener Kopfkohl.) 1 Oz. of Seed to 100 Yards of Row.

CLASS of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. It is a delicious

vegetable, especial-ly after being exposed to the frost. Plant in rich soil, in hills 2 feet apart

each way. Pkt., 10c. Oz., 20c. 1/4 Lb., 60c.



(German, Spargel Kohl.)

kt., 5c. Oz., 10c.

/4 Lb., 15c.
b., 49c.

EARLY PURPLE CAPE.-Large, compact. Pkt., 10c. Oz., 40c.

LARGE EARLY WHITE.—Head white, like Cauliflower; the Pkt., 10c. Oz., 40c.

BORECOLE

This is often called Broccoli by market gardeners, but belongs the Kale family. Very spreading in habit, and beautifully to the Kale family. Very spreading in habit, and beautiful curled. Seed very scarce.

Pkts., 5c. and 10c. Oz., 25c. 1/4 Lb., 65c. Lb., \$2.00.

BEETS FOR STOCK

SOW 4 POUNDS TO THE ACRE.

SOW 4 POUNDS TO THE ACRE.

TOCK BEETS grow larger than other Beets, and hence require more room. They should be sown from April to June, in drills 2½ feet apart, and the plants thinned to 12 to 15 inches in the row. The attention of farmers to the growing of Beets for stock feeding has rapidly increased, but it should be grown more generally and will show the results in the health and condition of the stock. It supplies good, rich food for cattle churier the winter. during the winter.

CHAMPION YELLOW INTERMEDIATE, OR GATE-POST MANGOLD.—One of the very finest Mangolds ever introduced, giving unbounded satisfaction wherever grown. The crop is very uniform and the roots heavy, handsome and clean, with single tap root. In flavor they are wonderfully rich and nutritious. With good cultivation will crop at the rate of 200 bushels per acre.

1/4 Lb., 15c. Lb., 40c. 4 Lbs., \$1.00.



BALTIMORE EARLY. WHITE SUGAR BEET.—A large-growing sort, and used for feeding stock. 1/4 Lb., 15c. Lb., 30c. 4 Lbs., \$1.00. MANGOLD.

GOLDEN TANKARD MANGOLD.—The best type of Mangold—small top, smooth, rich skin, broad shoulders, very solid-fleshed, golden-stemmed, heavy producer. It has already taken the lead of other varieties in England, and is relished by milch cows and sheep. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.00.

One Ounce of Seed to 100 yards of row.

GERMAN, KOPFKOHL.

Early Cabbages.

ABBAGE will thrive on any good corn land, though the stronger the soil the better they will develop. New land is preferable. Plow deep and manure very liberally, as cabbage is a strong feeder and will repay for the care bestowed upon it. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and a half feet apart. The larger varieties to be from two to four feet apart in the rows, with the rows from two and a half to four feet apart, the distance varying with the size. It does not pay to buy cheap cabbage seed. Ours are American grown, and from the best stock in the ccuntry. For early use, sow in a hot-bed in February or March, and transplant to a cold-frame as soon as large enough. In April the plants may be set out in the rows. For late crop, sow in nursery bed in May or June, and transplant as soon as the plants are five or six inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows. inches high. The meet in the rows.

KING OF EARLIES.—An excellent early sort. Heads formed like a Wakefield, but ten days earlier. Habit vigorous, short stem, and proof against sun.

Pkts. 5c. and 10c. Oz. 20c, 1-4 lb. 50c. Lb. \$1.75.

EARLY WINNINGSTADT.—Head large, cone-shaped and solid. An old and popular sort. Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.25.



SELECT EARLY JERSEY WAKEFIELD.

Select Early Jersey Wakefield.

> The very best early cab age, and grown more ex bage, and grown more ex tensively by market garden-ers than any other variety. ers than any other variety. It is early, the heads are py ramidal in shape, very large and solid, and, having but few outside leaves, the plants can be set close together. We secured our seed from a grower of the best Wakefield grower of the best Wakeheld cabbage in the country, and it is giving good results wherever it is used, so much so that our sales of this sort are rapidly increasing each year. The demand for this sort has broughton the mar-ket inferior stock at a low price, but when select stock, such as we offer, is used, it cannot fail to give satisfac-

tion.

Pkts. 5c. and 10c. Oz, 20c, 1-4 lb. 50c. Lb. \$1.60.

LARGE EARLY YORK. One of the earliest. Forms a medium size, pointed head

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c Oz. 15c. Lb. \$1,25.

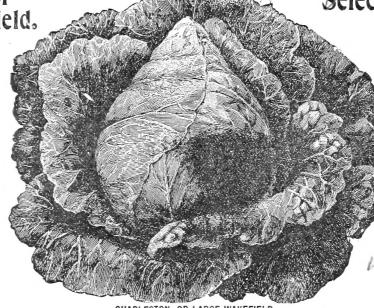
Charleston, or Large Wakefield.

This is now a very popular market cabbage, fully meeting the demand for a cabbage having all the characbage having all the characteristics of the Jersey Wakefield, but larger. It is five to six days later than Early Jersey Wakefield. The heads are fully one-half larger, and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without by can be lett standing on the ground a long while without injury, until a favorable opportunity for cutting. No market or private gardener desiring a cabbage of this kind should fail to plant this valuable sort.

Pkts. 5c. and 10c.

1-4 lb. 50c. Oz. 25c.

Lb. \$1.75.



CHARLESTON, OR LARGE WAKEFIELD.

Early Dwarf Flat Dutch

An old standard variety which stands the sun and produces fine large heads, coming in soon after the Wakefield. Pkts. 5c. and 10c. 0z. 15c. 1-4 lb. 40c. Lb. \$1.50.

Early Spring. An extra early round-headed cab-

An extra early round-neaded carbage of the early summer type.

Ptd. 10c. Oz. 40c. 1-4 lb.
S1.00. Eb. \$3.50.
Early
Cabbage.

This is the largest of all Cabbages, This is the largest of all Cabbages, fully one-third larger than the Early Summer, therefore more profitable to the market gardener. It is the nearest approach to a thoroughbred Cabbage of any variety, both in size and uniform development. As the All-Head comes in quicker than any of the other Flat Cabbages, it is consequently more tender. It is also valuable for a late or winter cabbage. Pkts. 5c. and 10c. 0z. 25c. 1-4 lb. 75c. Lb. 82.25.



LARGE EARLY SUMMER.-One of the earliest of the summer varieties. Heads large and flat; short stemmed, few outside leaves. uniform in character, and about ten days later than the Wakefield. It is very popular with the truckers.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.50.



ALL HEAD

NEW FARLY CARRAGE

NEW EARLY.—This is one of the finest large early cabbages grown. Forms solid, compact heads, and leaves grow close to the head, thus allowing many more cabbages to nead, thus allowing many more calledges to be grown on the acre than any other sort. One of its most striking features is its earliness. It heads so rapidly that the worms can't bart it. Pkts. 5c, and 10c. 0z. 20c. 1-4 lb. 50c. Lb. \$1.75.

HE STCCESSION CABBAGE is one of the most valuable contributions to horticul-ture. It would be classed as a second early the most valuable contributions to nortical-ture. It would be classed as a second early variety, coming in a few days later than Early Summer, but it is immeasurably supe-rior to that variety; it is nearly double the size, and is absolutely true to its type under all conditions. In addition to this, it has no tendency whatever to run to seed. It is one of the finestsorts in existence today: whether for medium early, main crop or late use, it has no superior. It is so finely bred and so true to type that in a field of twenty acres every head appears alike. We can recom-mend it either for the market gardener, trucker or private planter, as it is a perfect Cabbage in every respect, not only being of the largest size, but of handsome color and of the finest quality. It is probably the ture of the finest quality. It is probably the safest variety for an amateur to plant as it does well at all seasons, and one is almost sure of getting a crop, no matter when it is planted. Pkts. 5c. and 10c. 6z. 20c. 1-4 lb. 50c. Lb. 81.75.



LOUISVILLE DRUMHEAD .- This is the most popular intermediate or second early with market gardeners around Louisville and the Southwest. It comes off medium and the Southwest. It comes off medium early, withstands heat to a remarkable extent, heads large, solid and uniform in size and color. We can recommend this sort very highly for the Southern and Middle States.

Pkt. 10c. Oz. 15c. 1.4 lb. 40c. Lb. 81.25.

TREHEAD.-This popular cabbage is rightfully named Surchead, as it never fails to make a fine, large, solid head, with few outer leaves. It is a strong, vigorous grower, and very uniform in size and color. Always brings the highest price in our markets.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.50.

SEASONS .- This forms a fine, large head, of superior quality, nearly as early as the Early Summer. Suitable for planting at any season. Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.50.



DANISH BALL HEAD CABBAGE

SUCCESSION CABBAGE.

DANISH RALL HEAD -This most even ANISH BALL HEAD.—This most excelent variety of Cabbage, coming from benmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading, mediumearly variety; a very sure header, having few loose leaves consequently can be planted very close together, Although a mediumearly, can also be grown for a fall and win ter crop, being one of the best keepers Very popular in the Philadelphia, New York and Roston markets. Pkt. 10c. Oz. 20c. 1-1 lb. 50c. Lb. 81.75.

THE LUPTON .- This will mature earlier than Flat Dutch, keeps well, and is a good header. Pkts. 5c. and 10c. Oz. 20c 1/4 1b. 50c. Lb. \$1.50.

I am more than pleased with cabbage seed I bought of you-\$2.00 worth; sold \$20.00 worth of plants, and set out about 10,000. I believe my sales would have been double had it not been for the drought.

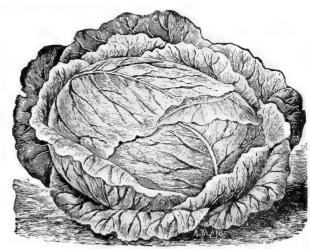
U. E. MILLER,

Sept. 17, 1900.

Hudgins, Va



BOSS FLAT DUTCH-LATE CABBAGE.



PREMIUM LARGE FLAT DUTCH-LATE CABBAGE.

LATE OR AUTUMN CABBAGE.

PREMIUM LARGE LATE FLAT DUTCH CABBAGE.—Large and excellent for winter, very extensively grown. The head is broad, thick and flat, well covered in by leaves lapping across the center, outside leaves feathered to the base of the leaf stem. Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. 81.25.

BOSS FLAT DUTCH CABBAGE.—In again calling the attention of market gardeners and truckers to this magnificent Cabbage, we

would say that it has fully met the claims we made for it upon its introduction. When we ask our customers how they like it, their answer is "splendid" or "elegant," everything heads; "you can scarcely find any that don't head." The heads are large, hard, thick and flat, the leaves lapping across the center, making it the most de sirable winter variety in cultivation. Try it and be convinced its and the convinced its.

Party 1815.

Pound \$1.50.

CABBAGES. Continued.

Perfection Drumhead Savoy.-

This is without any exception the finest stock of Savoy cabbage This is without any exception the finest stock of Savoy cabbage to be found anywhere. The heads are large and solid, the leaves beautifully curled, and in tenderness and flavor it is almost equal to cautiflower, while its keeping quality is first-class. To say that our market gardeners are pleased with it, is putting it mild; they are enthusiastic over it, as they find it so much superior to the old-time Savoy. It is specially adapted to private use, as when grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables. delicious of all vegetables.

Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.50.

LARGE LATE AMERICAN DRUMHEAD.—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality.

Pkts. 5c. and 10c. 0z. 15c. 1-4 lb. 40c. Lb. \$1.25.

RED DUTCH.-The head is large, round, solid and a deep red blor, the best of the red cabbages.

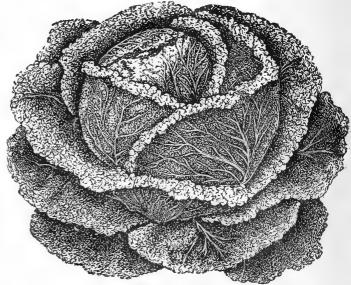
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.50.

WORLD-BEATER, or AUTUMN KING.—This is a very superior late cabbage. The large, broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk, green color, and one of the best keepers we know, and is a rapid grower.

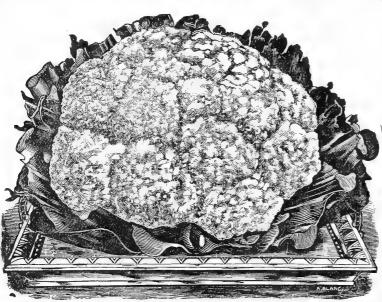
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.75.

Georgia Collards.—Called the Cabbage Collard on account of its close bunching growth. The plant produces centre leaves generally perfectly white, though sometimes dashed with pink. It is a very delicate vegetable and of the first quality.

Pkt. 10c. 1/4 lb. 20c. Lb. 70c.



G.&T.Co.'s Snowball Cauliflower.



One Ounce of seed will produce 2.000 Plants.

ANY amateurs make the mistake of sowing the seed ANY amateurs make the mistake of sowing the seed too early for late crop. It should not be sown before May, as when sown earlier they begin to head before the hot weather is over, and are a failure. Cauliflower can only be grown on rich, well-tilled and well-watered soil. The most delicious of all the cabage family, and requiring the same culture and treatment, but being more delicate. The good culture and richness of the soil recommended for cabbage is absolutely necessary for the cauliflower. For early crop, sow in hot-bed or cold-frame in February or March. For late crop sow and treat-like late cabbage.

Our Gilt Edge Snowball \sim

Cauliflower—Is without exception one of the finest sorts now in cultivation. It is very early. Nearly every plant will, under proper cultivation, form a perfect snow white head, and its close growing, compact habit enables the grower toplant one-third more on the same space of ground than other varieties. In fact, it is, and deserves to be, the standard with the market gardener and amateur.

Pkts. 25c. and 50c. 1-4 oz. 75c. Oz. \$2.00.

SELECT EARLY DWARF ERFURT.—Long the standard of highest excellence, and still holding its own with a great many people.

Pkts. 25c. and 50c. 1-4 oz. 50c. Oz. \$1.75.

EARLY PARIS.—An excellent sort for early or late use. Pkt. 10e. Oz. 50c.

Cress, or Pepper Grass.

Used as a small salad. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season.

CURLED.-Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 60c.

WATER CRESS.—Water Cress may be grown along the margin of running streams, ditches or ponds, and has a ready sale in the hotels and markets.

Pkt. 10c. Oz. 30c.



Corn Salad.

Three ounces of seed to 100 feet of row.

A favorite salad plant, and very hardy. Sow in August or September, and protect with leaves during the winter; it can be gathered in the spring very early. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach.

Pkt. 5c. 1-4 lb. 15c. Lb. 40c.

1 OZ. OF SEED TO 100 FEET OF ROW.

CARROTS thrive best in rather a light, rich loam. The ground should be well manured with fine-well-rotted or composted manure, and be thoroughly worked quite deep. Sow from middle of April to middle of May, in rows 14 inches apart, and thin the plants to 5 or 6 inches in the row. For late crops sow in June or July. An important point is to tread the rows firmly after sowing. For field culture, Carrots should be sown in drills 3 to 3½ feet apart, so as to cultivate with horse.

Improved Long Orange.

Deep orange color, long, smooth, fine for either garden or held culture. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color.

Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c.

Danvers.—A decided acquisition of the half-long type, broad-shouldered, cylindrical, admirable in color, fixed in habit, a wonderful producer. It is a first-class Carrot for all soils.

Pkt., 5c. 0z., 10c. 1/4 Lb., 25c. Lb., 85c.

GERANDE, OR OX HEART.

A net French variety, intermediate in length, of fine quality; excellent table sort. The shape is nearly oval, and the color and quality all that can be desired. No market

gardener should be without it.

> Plate 5c and 10c.

1/4 Lb., 25c.

Lb., 85c

EARLY SCARLET HORN .- Blunt-rooted, early, good. Favorite sort for early crop.

Pkt., 5c. 0z., 10c. 1/4 Lb., 25c. Lb., 85c.

CHANTENAY.

DANVERS.

Very productive; has an extra large shoulder, is easily dug, and is in every way desirable. It is very smooth, fine in texture, and of a beautiful, rich orange color. Well worthy of a thorough trial.

Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c.



IMPROVED LONG ORANGE.

German, Gelerie.

1 OZ. WILL PRODUCE 2000 PLANTS.

PARIS GOLDEN CELERY. (French Stock).

THIS cannot be too highly recommended, as after being thoroughly tested it has fulfilled all that has been claimed for it. It is decidedly the very best and most profitable Celery in cultivation; it is very early and entirely self-blanching. The beautiful appearance of the plant, its close habit, compact growth, straight, vigorous stalks, solid, crisp, brittle ribs, fine quality and delicious flavor commend it to all lovers of Celery. No variety can surpass, if, indeed, equal the Paris Golden Self-Blanching in its striking appearance and delicious flavor. Our stock of this variety has been giving the market gardeners the very best results for several years. HIS cannot be too highly recommend-

for several years.

Pkts.. 5c. and 10c. Oz., 30c.

1/4 Lb., 90c.

Lb., \$ Lb., \$3.50.

GOLDEN SELF-BLANCHING CELERY. (American Stock).

Thise is a selection from the French stock grown here, and is a favorite sort with market gardeners, being very largely

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 75c. Lb., \$2.50.

ROSE-RIBBED PARIS

ROSE-RIBBED PARIS
SELF-BLAVCHING.
This is a sport of the Golden Self-Blanching, identical in habit, growth, early maturity, and as easily blanched. The stalks, however, are naturally quite heavily tinted with red, so that when blanched they show a distinct pink line in the ribs, contrasting finely with the rich golden yellow.
Pkt. 10c. 0z., 30c. 1/4 Lb., \$1.00. Lb., \$3.50.

IMPROVED BOSTON MARKET.

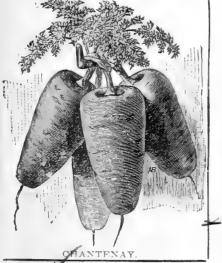
This is a decided improvement on the old Boston Market, being earlier, larger in size, and of more vigorous growth.

Plets. 5e. and 10e. Oz., 15e.

1/4 Lb., 40e.



PARIS GOLDEN CELERY.



WHITE SOLID.

A large standard sort. One of the best of the large growing sorts.

Pkts., 5e, and 10e. 0z., 15e.
Lb., \$1.50.

Pkts. 5c. and 10c. 02.. 15c. 1/4 Lb., 40c. Lb., \$1.50. Lb., \$1.50. In England the Pink or Red Celeries are much more largely used than the white varieties, and we wonder they are not more grown in this country. They lossess nany advantages over the white, leing nardier, more solid and better keepers.

Pkt., 10c. 0z., 20c. 1 / Lb., 50e. Lb., \$1.50. CELERY SEED FOR FLAVORING. This seed is used for flavoring pickles, coups, etc

re. Pkt., 5c. 1/4 Lb., 10c. Lb., 25c. 7 /2 Lb., 15c.

CONTINUED.

German, Celerie.

1 Oz. Will Produce 2000 Plants.

LANT SEED in hot-bed or very early in open ground. Transplant 4 inches apart when 3 inches high, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet apart, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

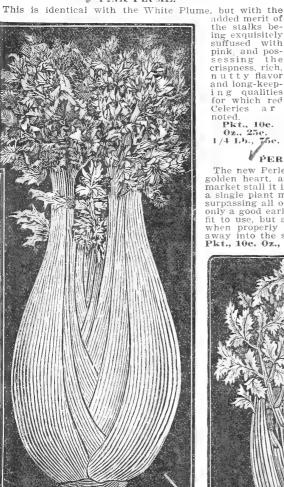
WINTER QUEEN CELERY.

without doubt, the most valuable variety of Celery for winter and spring use ever introduced. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutry flavor.

delicious nutty flavor.

Pkt., 10c. Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.

PINK PLUME.



GOLDEN HEART, OR GOLDEN DWARF CELERY.

HIS old standard variety still holds a high place in the estimation of market gardeners, and is largely used, always giving satisfaction. A showy sort, solid, of fine flavor and a good keeper.

Pkts., 5c. and 10c.

Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.



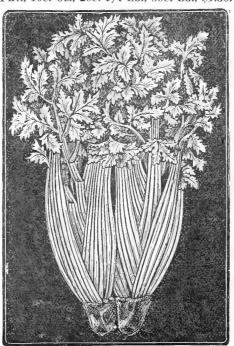
noted, Pkt., 10c. Oz., 25c. 1/4 Lb., 75c. PERLE LE GRAND.

added merit of the stalks be-ing exquisitely suffused with pink and pos-sessing the crispness, rich, nutty flavor and long-keep-ing qualities for which red Celeries ar noted

noted.

The new Perle le Grand has a beautiful, full golden heart, and rich, nutty flavor. On the market stall it is extremely showy and salable, a single plant making a good-sized bunch and surpassing all other sorts in weight. It is not only a good early Celery, being among the first fit to use, but as a winter keeper, remaining, when properly trenched, in perfect condition away into the spring.

Pkt., 10c. 0z., 20c. 1/4 Lb., 50c. Lb., \$1.50.



WHITE PLUME.

EARLY, handsome, self-bleaching A EARLY, handsome, self-bleaching variety, growing in popularity every year. Like the Golden Self-Blanching, it requires very little earthing up to blanch it, and as a Celery for fall and early winter use it is unsurpassed.

Pkits., 5c. and 10c.

Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.

ER

NEW

APPLE

SHAPE

Small foliage, large, round, and smooth.

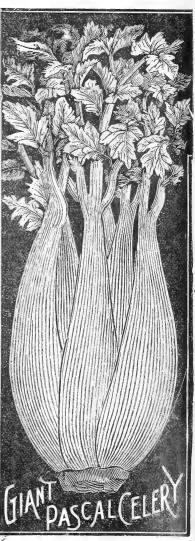
Phis., 5c. and 10c.

0z., 20e.

1/4 Lb., 50c.

Lb., \$1.50. LARGE SMOOTH PRAG LARGE SMOOTH PRAGUE.

The largest, smoothest and best of the eleriacs. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.



A SELECTION from the well-known Self-Blanching Celery. It partakes of the best qualities of that variety, is somewhat larger, and an excellent keeper. It is of fine, nutty flavor, being entirely free from any bitter taste. It grows about 2 feet high. The stalks are very broad, thick and crisp; the width and thickness of these are distinctive features of this variety.

Pkts., 5c. and 10c. 0z., 15c. 1/4 Lb., 40c. Lb., \$1.25.

CAUTION. Sweet Corn in bulk, even after being thoroughly cured, will often gather moisture and be taken out of the bag as soon as received and spread in a dry place.

VEET OR SUGAR CO

FOR TABLE USE.

WHEN CORN IS WANTED BY MAIL. ADD 8 CENTS PER PINT TO PAY POSTAGE.

TILTURE.—Sugar Corn may be planted in rows 3 to 4 feet apart, and the seeds placed about 8 inches apart in the rows, or planted in hills 3 to 4 feet apart each way, according to variety grown or richness of soil. Do not let more than three plants remain in each hill. It can be planted in this vicinity from first of May to last of July for succession of crop. By anting every two weeks a family may have good Corn throughout the whole season.

G. & T. CO.'S NEW 60-DAY CORN .- The largest extra early grown. As early as Extra Early Adams, but grows larger Qt., 20c. Peck, 75c. Bus., \$2.50.

EXTRA EARLY ADAMS.—Ear, 5c. Doz., 25c. Pt., 10c. Qt. 15c. Peck, 50c. Bus., \$1.90.

EARLY ADAMS.—A favorite in the South.
Ear. 5c. Doz., 25c. Pt., 10c. Qt., 15c. Peck, 50c. Bus., \$1.90.

EARLY BURLINGTON HYBRID .- We introduced this variety TEARLY BURLINGTON HYBRID.—We introduced this variety in this market five years ago, and our sales have grown each year. Not a true Sugar Corn, but a hybrid or mixture between the Sugar Corn and the Adams Early, being as early as Adams, with an ear about the size of Stowell's Evergreen, and more productive than either. The husk, blade and ear, when green, resomble the Sugar Corn. Those who have tried it want it again.

Doz., 25c. Qt., 15c. Peck, 60c. Bus., \$1.90.

CROSBY'S EXTRA EARLY.—An early market variety, very productive; ears rather short and rich, sugary flavor.
Qt., 20c. Peck, 75c. Bus., \$2.25.

EARLY MINNESOTA SUGAR.—One of the first early among Qt., 20c, Peck, 75c. Bus., \$2.25.

BLACK MEXICAN SUGAR.—The Black Corn is especially rich in sheary qualities Qt., 20c. Peck, \$1.00. yugary qualities.

WHITE CORY.—An extra early variety, with good-sized ears and large kernels. Qt., 20c. Peck, 90c. Bus., \$2.75.

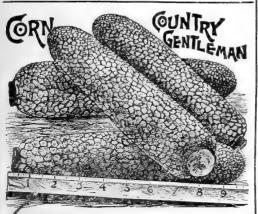
VENTRA EARLY BALTIMORE.—The hardiest and earliest variety for table use; it can be planted earlier than any other, but is not a Sweet Corn; white indented grains and short ears. Ear, 5c. Doz., 30c. Qt., 15c. Peck. 90c. Bus., \$2.75.

EARLY MAMMOTH.—A splendid market sort, producing large, handsome ears, grain large, white and sweet. Fills out well at the end. Ear, 5c. Doz., 40c. Qt., 15c. Peck, 75c. Bus., \$2.50.

LATE MAUMOTH.—The largest variety grown; very fine for

Ear, 5c. Doz., 50c. Qt., 15c. Peck, 75c. Bus., \$2.50.

TRUCKERS' EARLY CORN.



STOWELL'S EVERGREEN. So well known that it scarcely needs description. Excellen; keeps green till cold weather; keeps green till cold weather; ears large. One of the best. Env. 5c. Doz., 40c. Qt., 15c. Peck, 75c. Bus., \$2.50.

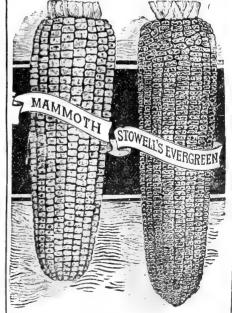
TRUCKERS' EARLY SUGAR CORN.—This is the most desirable variety of Sugar Corn for able variety of Sugar Corn for truckers and gardeners to plant early. As its many excellent qualities are becoming generally known, it has come to be one of the standard sorts. It is 10 days earlier than Evergreen, very productive, growing 2 to 4 ears to the stalk. The ears set low, are large and well filled, the grain long and parrow, similar to long and narrow, similar to Evergreen, but smaller. It is one of the most productive varieties in cultivation.
Qt., 20c. Peck, 90c. Bus., \$3.

KENDALL'S EARLY GIANT. The largest early Sweet Corn known; comes in just after the Cory, and is very productive.
Pt., 15c. Qt., 25c.
Peck, \$1.00. Bus., \$2.50.

FIRST OF ALL.—A selection from the Cory, the ears about the same size as Cory, lighter in the same size as color and earlier.

Peck, 90c.

Bus., \$2.75.



COUNTRY GENTLEMAN CORN.-This is the sweetest and most deliciously flavored of all Sugar Corn. It is the finest variety for the table, and will deligh, the most fastidious epicure. It produces 3 to 4 ears to the stalk, and retains its greenness longer than other sorts.

Qt., 20c. Peck, 75c. Bus., \$2.50.

kinds. It is remarkable for the fine flavor, sweetness and earliness, and is a desirable gardeners' and canning variety.

Pt., 10c. Qt., 20c. Peck, 75c. Bus., \$2.50.

HICKOX .- A very handsome and excellent variety of Sugar Corn: large, white grain and sweet.

Ear, 5c. Doz. 40c. Qt., 20c. Peck, 75c. Bus., \$2.00.

EGYPTIAN, OR WASHINGTON MARKET .- A large variety somewhat resembling the Evergreen; flavor peculiarly rich and weet, and of superior quality; fine for market.

Ear. 5c. Doz., 40c. Qt., 20c. Peck, 75c. Bus., \$2.25.

SUGAR CORN .- For fodder. Write for Prices. IMPROVED NE PLUS ULTRA .- Early, good-sized ears and deep grain. Very productive, some stalks yielding 4 ears and an average crop running as high as 3 ears to the stalk.

Qt., 20c. Peck, 75c. Bus., \$2.50.

ZIGZAG EVERGREEN.—This is one of the sweetest and best late Sweet Corn, not even excepting the celebrated Country Gentleman and Shoe Peg. The ears resemble Stowell's Evergreen in size and shape, except that the kernels are placed irregularly or zigzag upon the cob, which is always an indication of great sweetness in any variety of Sugar Corn.

Pt., 10c. Qt., 20c. Peck, 75c. Bus., \$2.50.

90-DAY CORN (Red Cob).—This is an elegant Corn for truckers and market gardeners, as it is a good seller as Green Corn, and if not used as Green Corn makes a good variety for feeding purposes. It may be planted for early crop and at intervals until the middle of July. Many truckers use it for their late planting, as it produces a very sure crop.

Q1., 10c, Peck, 50c, Bus., \$1.50.

1 Oz. will plant 50 hills; 2 Lbs. will plant an acre.

CUCUMBER

German, Gurke.

FOR very early Cucumbers sow the first of April in a hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. The vines require a warm location for early Cucumbers. Plant after the ground has become warm, in hills 4 feet apart for the smaller varieties, and 5 feet for the larger sorts. For pickling, sow from middle of June to last of July. Manure with ashes, fertilizer or some well-rotted compost, working the manure just under the surface. Sprinkle the vines with slug-shot, plaster or air-slacked lime, to protect from bugs. The Cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness.

VIMPROVED LONG GREEN.

Has long been a favorite with growers; dark green, firm and crisp. Superior for pickles and for market.

Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 40c.

GREEN TURKEY.

A very showy and excellent sort.

Pkt., 5c.
Oz., 10c.
1/4 Lb., 20c.

Lb., 50c.

WHITE WONDER CUCUMBER.

The White Wonder sur-passes the White Pearl both in handsome ap-pearance and fine qualpearance and nne quality, while its strong, vig-orous, extremely healthy habit of growth enables the vines to produce a large crop of perfect fruit, even under adverse conditions. Its strong constitu-tion is exceptional. The Cucumbers are thickly set throughthickly set through-out the length of the vine, and are remarkably uni-form in color, shape and size. Pkt., 5c. Oz., 10c. 1/4 Lb. 30c, Lb., \$1.00.



EVER-BEARING CUCUMBERS.

This variety is unique, and will prove valuable both for the table and for pickling. Is of small size, very early, en-

very early, enormously productive, and dextremely valuable as a green pickler.

The peculiar merit of this new Cucumber is that the vines continue to flower and produce fruit until killed by frost, whether the ripe Cucumbers are picked off or not, in which respect it differs from all other sorts in cultivation.

Pkt., 5c. 0z., 10c. 1/4 Lb., 25c. Lb., 75c.

COOL AND CRISP.

This is the earliest and one of the most prolific pickling Cucumbers. The Cucumbers are straight, long, even and slim, and of a dark color; it is very tender and crisp.

Pkt., 5c. 0z., 10c. 1/4 Lb., 15c. Lb., 40c.

A short, prickly variety, bearing in clusters near the root. A great bearer.

Pkt., 5. 0z., 10c. 1/4 Lb., 15c. Lb., 40c.

JAPANESE CLIMBING CUCUMBER.

JAPANESE CLIMBING CUCUMBER.

It bears abundantly throughout the season, while the climbing habit enables the hanging fruit to grow perfectly straight, from 12 to 16 inches in length; the Cucumbers are thick, tender, and of delicate flavor; flesh white, skin dark green, turning to brown and netted when ripe.

Pkt., 5c Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.

ENGLISH FORCING CUCUMBERS. Should be Should be grown in hot-beds where the temperature does not fall below 65 degrees at night. ARLINGTON WHITE SPINE.—A favorite extra early variety, of desirable size, handsome shape, dark green color, holding its color longer than most others. Good shipper and sells well. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.25.

EARLY GREEN PROLIFIC.—A very productive variety, having fruits of good length and handsome form. Desirable for producing pickles of medium size and of fine quality when sliced production for the table. Pkt.,

for the table.

Pkt., c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

EXTRA EARLY WHITE SPINE.

A strain of White Spine which has been improved through careful selection, with a view to use for forcing in hot-houses and frames; also elegant for field culture. Our stock produces handsome, dark-colored fruits, which retain their color longer than other sorts than other sorts.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.



THIS is the best Cucumber for early planting, because it will retain its green color longer than any other sort. It is of good size and shape, and the popular variety with truckers around Baltimore and Norfolk, as well as the growers from Virginian and Norfolk, ginia to Florida Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

TELEGRAPH is the best. 25c. Packet.



JERSEY PICKLE.

MHERKIN, OR BURR. Used for pickles.

Pkt., 5c. Oz., 15c. 1/4 Lb., 35c.

JERSEY PICKLING.

This is the most popular sort with the market gardeners around Baltimore and Philadelphia for pickling. Said to green better than any other variety.

Pkt., 500 Oz., 10c. 1/4 Lb., 15c. Lb., 40c

CHICAGO PICKLING.

Very Popular With Chicago Market Gardeners, and Extensively Grown in that Vicinity.

Fruit medium length, pointed at each end, with very trge and prominent spines; color deep green.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

CULTURE .- Sow the seed in hot beds early

BALTIMORE EGG PLAN

GERMAN

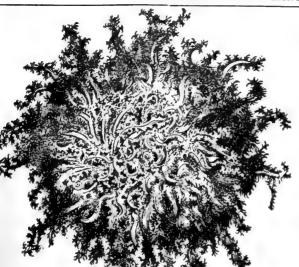
In March. When three inches high, pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky.

They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about three fect apart each way, in thoroughly worked and well enriched soil. Lraw the earth up to the stems when about a foot high. Egg. Plant Seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth, they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the groups will produce shout no thought produce should be plants.

(One ounce will produce about one thousand plants.)



BALTIMORE EGG PLANT.-When once used, takes the lead.



THIS is decidedly the best and most profitable Egg Plant in cultivation. It is large, thorniess, of beautiful shape and handsome purple color. We have never seen finer specimens of Egg Plant than those grown from our seed. When inspecting the field of Egg Plants growing for seed we were surprised at the regular size and uniform, handsome color of the fruit all over the field.

Pkt. 10c. Oz. 30c. 1/4 lb. 90c. Lb. \$3.00.

Endive. GERMAN, Endivien.

IS ONE OF THE BEST SALADS FOR FALL AND WINTER USE.

(One ounce of seed to one hundred and fifty feet of row.)

TOR early use, sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or soft fibrous material. Another method is to invert flower pots over the plant. The leaves are very highly esteemed for use as salads.

WREEN CURLED.—The best sort in use. Useful as a salad, and also used for garnishing. Pkt. 5c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.25.

TRUE TO NAME.

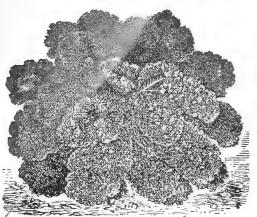
I bought seeds of you last year, and they proved true to name and of excellent vitality. Therefore, I place my order with you again this year.

March 11, 1901.

O. E. WILDER Obsorbed

1 Oz. of Seed Will Sow a Drill of About 200 Feet.

German, Blaetter-Kohl.



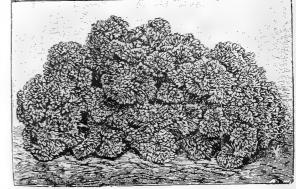
THE KALES are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. For early spring use, sow broadcast in September, and protect during winter. It must also be sown in April or May for later use.

DWARF GREEN GERMAN KALE.—This variety sow in September broadcast, and gather in early spring like spinach. It may also be sown early in the spring for later use. **Pkt.**, 5e. 1/4 Lb., 15e. Lb., 35e.

NORFOLK.

A variety used by the truckers of Norfolk for ship-ment North. Light green color and leaves much curled.

Pac	ket .			5e.
Oun	ce .			loc.
1/4	Lb.		. 2	25e.
Lb.			,	750



DWARF GREEN GERMAN KALE.

EXTRA CURLED NEW AMERICAN KALE.

This is an extra curled, long-standing variety of a beautiful green color; stands the winter well, and will stand longer in the spring before going to seed than any other variety. Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.

KOHLR ABI.

1 OZ. OF SEED TO 100 YARDS OF ROW.

WHITE VIENNA.

BULB LIGHT GREEN. FLESH WHITE. VERY RAPID IN GROWTH. EARLY MATURITY. FINE IN TEXTURE, and SYMMETRICAL IN FORM. SUPERIOR.

Pkts., 5c. and 10c. Lb., \$1.50. 1/4 Lb., 50e. 0z., 20c.

LECK. German, Lanch.

1 OZ. OF SEED TO 150 FEET OF ROW.

SELECT good Onion soil, manure liberally, plant in April in drills 6 to 8 inches deep, and 18 inches apart, and thin to 9 inches apart in the drill. Gradually draw the earth around the plants until the drills are filled level with the surface. Draw for use in October. To be used in soups or boiled as Asparagus paragus.

EXTRA LARGE.-A large and strong plant; hardy. The best variety for general culture. Pkg., 5c. 0z., 15c. 1/4 Lb., 40c. Lb., \$1.25.

NUSSELBAUGH.-Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.

LARGE ROUEN.—Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 50c. Lb., \$1.50.



ETTUCE German, Lattich.

ETTUCE requires a rich and rather moist soil.

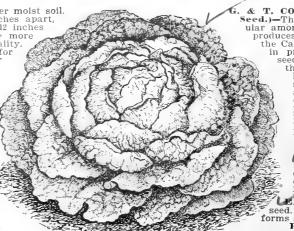
The rows should be about 12 inches apart, and the plants thinned to 10 or 12 inches apart for the leading varieties. The more rapid the growth the better the quality.

Some varieties are peculiarly adapted for early culture, others for summer others culture, for summer growth. G. & T. CO.'S WHITE SEED

SUMMER LETTUCE. The Best Summer Lettuce Ever Introduced.

This variety, introduced by us two years ago, has exceeded our expectation. Those who purchased it were delighted with their crops and came back for more seed. This Lettuce will stand the summer heat better than most sorts, and makes magnificent heads. We expect this sort to grow in favor wherever known. It has a beautiful green color; head solid; light; leaves nicely crinkled; very tender and of most arcelled fevor excellent flavor

0z., 20c. 1/4 Lb., 50c. Lb., \$1.50. Pkt., 5c. Oz., 20c.



Seed.)—This Lettuce is becoming very popular among gardeners for summer use. It produces a splendid, large, solid head, of the Cabbage type, remaining a long time in prime condition without going to seed; in fact, it is often necessary for the seed growers to slit open the head in order to allow the seed stalk a chance to develop. It is of a light green color, fine quality, crisp, tender, and nearly every plant will make a fine, solid head in the hottest weather, when other varieties refuse even to grow. Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

EARLY WHITE CABBAGE, OR BUTTER.—A broad-leaved, vigorous-heading sort; white, showy and desirable. Pkt., 5c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00. EARLY CURLED SIMPSON.-Black

seed. Very early; excellent for salads; forms a compact mass of leaves.

Pkts., 5c. and 10c. 0z., 15c.

1/4 Lb., 35c. Lb., \$1.00.

TENNIS BALL.-Black seed. A favorite forcing variety; a very hard head. Pkts., 5c. and 10c. 0z., 15c. 1/4 Lb., 35c. Lb., \$1.

ETTUCE

Baltimore Cabbage Lettuce.

Large Heads, Beautiful Heads, Solid Heads, Stands Heat Well. Best of all for FALL PLANTING.

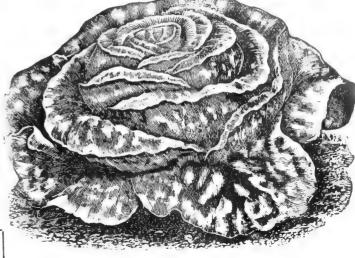
HIS new Lettuce, which we introduced a few years ago, and claimed to be one of the best ever put on the ago, and claimed to be one of the best ever put on the market, and which produced such a sensation among the large growers who tried it, still holds a high place among Lettuce. As soon as the growers discovered its merits they came for more seed, and recommended it to all their friends; these, in turn, were delighted with their crops, as the result more than justified all we claimed for it. A grower at Gardenville, Md., says: "I had 3000 heads of your altimore Cabbage Lettuce, and they all headed but one; they are slow to run to seed." The heads are large and solid; color, pretty light green, and very slow to seed; in fact, it is just what the truckers and gardeners want. A large trucker in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine."

kts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.

BALTIMORE OAK LEAF .- This Lettuce will resist the neat of summer and stand longer before running to seed than any variety we have ever known. It makes a large, solid head, and is very popular with those who know it.

Pkt., 10e. 0z., 25e.

PARIS WHITE COS.—Differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green. It is very hardy and of good flavor. To blanch perfectly it must be tied up. Pkt., 5e., Oz., 15e. 1/4 Lb., 35e. Lb., \$1.00.



BALTIMORE CABBAGE LETTUCE.

BIG HEAD LETTICE.

The "Big Head" is certain to please market gardeners and truckers, because it always produces large, salable heads. It is yery solid and crisp, of tender quality, which makes it attrac-

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.

The same in color, shape and general appearance as the Boston Market, but double the size. A most desirable sort either for forcing in cold frames or planting in open ground. Is popular with truckers, as it makes large, solid, salable heads. Very highly recommended by those who have tried it.

1/4 Lb., 5c. and 10c. 0z., 15c.
1/4 Lb., 40c. Lb., \$1.25.

GRAND RAPIDS .- This variety largely grown for shipment, d is considered by many the st loose-headed Lettuce for and best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, much crimpled and frilled, thin, but of very upright growth; crisp, tender and of good quality. Owing to its upright habit, it may be planted very closely. It is of extremely rapid growth; very little liable to rot; will stand without spoiling a week to ten days after it is fit to cut, and retains its freshness a ong time after cutting.

Pkt., 5c. 0z., 10c. 1/4 Lb., 30c. best.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c.

BIG BOSTON

0z., 10e. Pkt., 5c.

BOSTON MARKET.

White seed. A celebrated variety in New England, of good heading habit; small, early and compact; quite desir-

able.

Pkts., 5c. and 10c. Oz., 1

1/4 Lb., 30c. Lb., \$1.00.

IMPROVED NEW YORK, or "WONDERFUL."

Plants of extra large growth, producing heads of immensize under favorable conditions. immense Inner portion is beautifully blanched, and stands for a con-siderable time before running to seed. Outer leaves a deep, rich green.

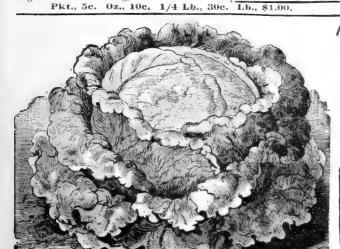
Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.10.

CREAM BUTTER LETTICE.

(Black Seed).

This is fairly well known, and has given good results with the growers 1/4 Lb., 30c. Lb., \$1.00.

HANSON .- A variation of the Indiana, forming a half-closed



LARGE LOAF LETTUCE.

head. Pkts., 5c. and 10c. 0z., 15c. 1/4 Lb., 30c. Lb., 90c.

SALAMANDER (Black Seed).

An excellent sort for spring or summer use; forms good-sized heads of f excellent quality. **Pkt., 5c. Oz., 10c., 1/4 Lb., 30c. Lb., \$1.00.**

DEFIANCE.

Stands summer heat better than any other variety; one of the finest large-growing varieties. It forms very large, solid heads, so firm they have to be cut open to allow the flower heads to finest range states and they have to be cut open to and some through.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.

Large Loaf Lettuce.

HIS is so well known to truckers and gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large, compact heads, is of beautiful light green color, very tender and crisp. This is unsurpassed for frame use, and is also an excellent outdoor Lettuce for fall or early spring.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.

German, Melone,



Baltimore Nutmeg Cantaloupe.

HE cut is from a photograph taken from a sample lot of Baltimore Nutmeg Cantaloupes gathered from the field where our seed was grown, and is a fair representation of the whole crop. The stock seed of this splendid melon was secured from a trucker who enjoys the reputation for raising the finest Cantaloupes that come to the Baltimore market. In passing through the fields inspecting the crops we were surprised at the uniformity in the shape and size of the fruit. The writer also tested the fruit, and found it to be of excellent flavor. It is green-fleshed, and the rind is handsomely netted. It is well known and popular with the truckers and market gardeners of Baltimore, Washington, Norfolk and other places; in fact, it is a leading sort all over the country.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. 5 Lbs., \$1.50. EMERALD GEM.

Meat salmon color, exceedingly sweet and delicious; very early and prolific. One of the best for family use. Its appearance is not attractive, but try it, and you will want it again.

Plet., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. 5 Lbs., \$1.75.

EARLY NETTED GEM.

EXTENSIVELY grown, and many prefer it to all others for table use. Shape almost a perfect globe, and grows remarkably uniform; thick meated; flesh light green in color, and of fine, luscious flavor; skin green, regularly ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates.

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c. 5 Lbs., \$1.50.

/ IMPROVED JENNY LIND.

A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Cantaloupe we have ever eaten, and while the fruit is small, it is an abundant bearer. A market gardener having this sort for sale would in a short time have no difficulty in disposing of all he could rise. of all he could raise.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c.

TRUE TO NAME.

The **Rocky Ford** I got of you last year was excellent and every hill proved true to name.

J. A. RICHARDSON. Smithsburg, Md.

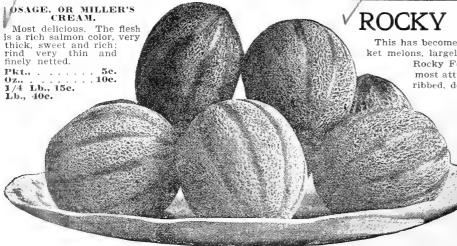
I am more than pleased with your seed. September 17, 1901. N. E. MILLER. Virginia.

ROCKY FORD MELON.

This has become one of the most popular of small or basket melons, largely owing to the fact that growers in the Rocky Ford region pack and ship their fruit in a most attractive manner. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and highflavoreu.

> We offer an exceptionally fine stock of this sort, the fruit being wonderfully uniform in shape and quality.

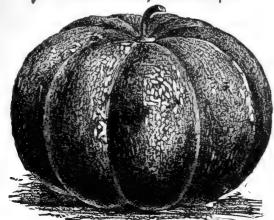
> > Pkt., 10c. 1/4 Lb., 20c. Lb., 50e. 5 Lbs., \$2.00.



MUSK

VIOLUCIA STATE

Southern Beauty Cantaloupe.



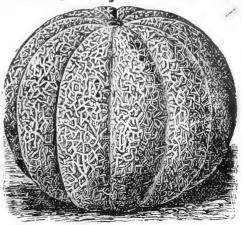
The Musk Melon for the South.

the South.

The Grower says: "It is the finest Cantaloupe I have ever planted, particularly suited to the Southern climate. It is remarkably free from rot of all sorts caused by damp or rainy weather, and will hold up a long time after they have ripened, the outer rind remaining firm and sound for at least ten days after the melon first ripens." Again he says: "I shipped these cantaloupes from this point to Chicago, Ill., Cleveland and Cincinnati, Ohio, by freight, where they arrived in perfect condition, and brought fancy prices."

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 60c. 5 lbs. \$2.50.

Extra Early Hackensack.



Anne Arundel Cantaloupe.

Cantaloupe.

(Original Stock.)

The cut represents a sample of our stock photographed from fruit taken from the growing seed crop. It is very large, nearly round, deeply netted, and of good fiavor. A wagonload of them at once attracts the buyers' attention, and when piled up on a market stall they are irresistible. No large grower's stock is complete without this superb melon.

This handsome melon, introduced by us several years ago, was for years a special favorite with a number of the leading growers of Anne Arundel County, Maryland. Knowing its value, we selected the stock and placed it before our customers. It has met every promise we made for it upon its introduction.

One grower says: "It is in all respects one of the best of melons." Another says:

"Dear Sirs—The Anne Arundel Cantaloupe was perfectly satisfactory—just what it is claimed to be. It proved to be early, of good size, and gave me a large yield."

Pkts. 5c. and 10c.

1-4 1b. 15c. Lb. 40c.



Netted, green flesh and ex-cellent; very showy market va-riety and an excellent keeper. Ten days earlier than the Old Hackensack

Pkts. 5c. and 10c. 1-4 lb. 15c. Lb. 40c. 5 lbs. \$1.50

Paul Rose

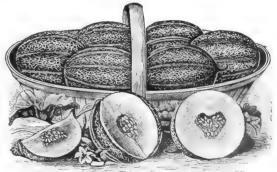
This variety originated with one of the most successful melon growers in the country,



BANQUET

This superb melon represents years of careful selection and improvement. The raiser regards it as his greatest production and likely to supersede all other red-fleshed melons. "The Banquet" is a medium-sized melon, flat at both ends, and more beautifully netted than any known variety. In quality it has no equal; the flesh is uniformly deep and of that granulated character that always indicates a good melon; the color is a dark, rich salmon.

Pkt. 5c. Oz. 10c. 1-4 lb. 25c. Lb. 75c.



PAUL ROSE.

termel

CULTURE.—One ounce of seed to thirty hills. Watermelons require a rich, sandy soil best development. Cultivate the same as for Cantaloupes, except that the hills should for best development. be eight to ten feet apart.

BLACK BOULDER.

It is enormously productive, reaching a mammoth size, with rich, dark green skin. It cuts equal to any Melon we have ever eaten, and its shipping qualities are phenomenal, no other Melon equaling it in tough skin and rind; in this respect even superior to Kolb Gem.

Pkt., 5c. 0z., 10c. 1/4 Lb., 20c.
Lb., 50c.

Lb., 50c.

KLECKLEY'S SWEETS.

Skin dark green, thin rind, flesh scarlet. very solid, firm and most luscious quality. For the home market or family garden it is decidedly one of the best. Pkt., 5c.

Oz., 10c. 1/4 Lb., 20c. Lb., 50c.



Florida Favorite.

THIS we consider the richest and sweetest flavored Melon grown, of medium size and prolific. The best of all for family garden. It is now very popular with the truckers and Melongrowers of Maryland and Virginia, and sells readily in the Baltimore market.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., \$1.50.

McIver's Sugar Watermelon.

In outward appearance it somewhat resembles the old Rattlesnake. The quality, however, is so much superior that it is an injustice to mention the Rattlesnake on the same page with it, as it even surpasses such excellent varieties as Florida Favorite and Icing. It is also an extremely productive and hardy variety.

Pkt., 5e. Oz., 10c.

1/4 Lb., 15c. Lb., 40c.

FORDHOOK EARLY.

This is a very early variety, growing to a good size; color, medium green; form, nearly round; seeds, white; flesh, bright red and very sweet. Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.



T is early, very large, of oblong shape, and the flesh is of handsome crimson color, deliciously sweet, and extending close up to the rind. It has a thin, hard rind, beautifully mottled light and dark green. Its perfect shape, faultless color, fine texture and excellent flavor combine to make it one of the very best Melons that grows. It is a good shipper, and beats all

others as a seller.

Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

5 Lbs., \$2.00.

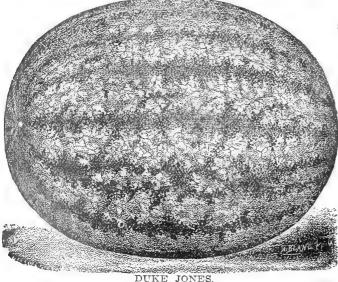
GRAY MONARCH, OR LONG WHITE ICING.

This distinct Melon is without doubt one of the largest of all, frequently attaining a weight of 70 pounds and over. The skin is a mottled gray color, shape long, flesh bright crimson, and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances, and bringing very high prices.

Pkt., 5e: Oz., 10e. 1/4 Lb., 20e. Lb., 40e.

FRATTLESNAKE WATERMELON.

striped and mottled: flesh bright red; a good Large, ollong, shipper; a favorite variety in the South.
Pkts., 5c. and 10c. 1/4 Lb., 15c.

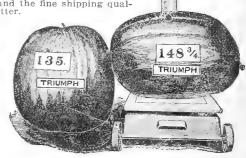


TRIUMPH WATERMELON.

THIS new Melon, as a market sort and for shipment, is the best we have ever introduced. It is very prolific. very early, and of uniformly large size. It is a cross between the Duke Jones and the Kolb Gem: has the handsome appearance of the former and the fine shipping qualities of the latter.

The rind, like The rind, like Duke Jones, is of dark green color; the seed is exactly the same color as that of Kolb Gem. The average size of the Melon is very large.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c. 5 Lbs., \$1.75.



Duke WATERMELON

N shape the DUKE JONES resembles very closely the Kolb In shape the DUKE JONES resembles very closely the Kolb Gem. The rind is darker green in color, with indistinct, irregular stripes of dark and light green alternating; in general appearance it is a dark green Melon. It averages very large in size, comparatively no small Melons; is very productive; it is also very early in maturing, ripe Melons being plucked from the vine just 67 days from the date of planting. Its chief claim for popularity is its delicious flavor. The flesh is crisp and very sweet, firm, but not too tough; no hard middles; but ripens evenly throughout; flesh deep crimson in color. The Duke Jones is the largest of Melons, but has no superior in its delicious flavor.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c.
Lb., 35c. 5 Lbs., \$1.50.

CITRON. FOR PRESERVES.

Fruit round, handsome and small. Used in making preserves only.

Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

ALL KINDS OF MACHINERY REPAIRED.

WATER-MELONS-Continued.



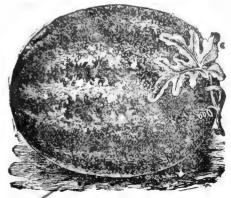
BLUE GEM.

THIS splendid Melon resembles the Kolb Gem in shape, and is of a dark bluish color, with small grayish stripes. It is one of the very best shippers, and as a table Melon much superior to the Kolb Gem. Very productive, and is handsome and

showy.

A grower in Dixie (Georgia) says: "If you want a shipper that will go around the world, you can safely select the BLIE GEM."

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., \$1.50.



THIS is one of the largest, most productive, best-keeping and best-shipping Watermelons grown. Sells readily at the highest market prices. In fact, it is so well know that it speaks for itself. Our stock of this comes direct from the original grower. Special prices on large quantities Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1,25 10 Lbs., \$2.00.

DIXTE

It is earlier and larger than the well-known and popular Kolt Gem, and in color a darker green, with beautiful stripes, making it one of the handsomest Melons on the market. Flesh deepred, sugary and melting.

Pkts., 5c. and 19c. 1/4 Lb., 15c. Lb., 40c.

An entirely distinct and handsome new Watermelon. Vine vigorous and productive, ripening early. Fruit large, oval, very heavy, uniformly mottled light and dark green. Flesh bright red Solid and very sweet.

Pkt., 5c. 0z., 10c. 1/4 Lb., 15c. Lb., 40c.

English Mill Track Mushroom Spawn.

Lb., 12c. By Mail, 20c. lb. 10 Lbs., \$1.00. 100 Lbs., \$8.00.

CULTIVATION.

THE cultivation of the Mushroom is a very simple matter, and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long, strawy litter, plentifully mixed with short manure makes by far the best heds as it combine the necessary qualities. Long, strawy litter, plentifully mixed with short manure, makes by far the best beds, as it does not heat too violently, decomposes slowly and retains its heat for a long period. Put in a heap and turn every three or four days to permit the escape of noxious gases and prevent burning. When ready for use it should be as hot as can be borne comfortably by the hand, and should also be moist. Make the beds 3 feet wide at the base, 2% feet high, and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat, and be beaten down to make the heap firm and compact, and cover with long litter. The bed should within a few days warm to a temperature of 110 to 120 degrees. Never spawn a bed when the heat is rising, but always on the decline and under 90 degrees. Have a ground thermometer, and keep it plunged in the hed; by pulling it out and looking at it you can ascertain exactly the temperature of the bed. Should the temperature not exceed 100 or 110 degrees no alarm should be felt, for if the manure was fresh it will likely produce a good crop. Where the heat has decreased to 90 degrees the bed is ready to receive the spawn, which is done by raising the manure with the hand and inserting pieces of spawn 2 inches square and 9 inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about 2 inches. If in a closed cellar or mushroom house wait



about ten days, but if in open shed five days will do. If the soil is poor, add a liberal quantity of bone meal. It requires a period of 5 to 7 weeks before they are ready for use.

Two pounds of spawn are sufficient

Two pounds of spawn are sufficient for a bed 3 feet by 6 feet.

Mushrooms can be readily grown in cellars, stables, sheds or pits. Many are successfully grown on a shelf in an ordinary cellar, and yield sufficient crops to compensate the grower for his effort. The space under greenhouse benches or stagings will suit them exactly, using materials in same manner as described.

MUSHROOM ON PASTURE LAND OR LAWN.—About the first of June take pieces of spawn an inch square, and lift the sod with a trowel or spade just sufficient to get a spawn under it, and then press the soil down hard. Set the spawn 1 to 2 feet apart. In a favorable season a crop may be expected in 3 or 4 monthfrom the time of planting.

MUSTARD. GIANT CURLED.

GIANT CURLED.

IGHLY esteemed in the South, where the seed is sown in the fall, and used in the spring as a salad. Our stock is the true curled leaf, and produces plants 2 feet high and of greater breadth, forming enormous bunches.

Pkt., 5c. 0z., 10c. 1/4 Lb., 20c.
Lb., 50c.

WHITE MUSTARD. 1/4 Lb., 10c. Lb., 25c.

=NASTURTIUM.=

Plant in May, the climbing varieties to cover arbor or fence, and the dwarf for beds or hanging baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

TALL.—Pkt., 5c. 0z., 10c. 1/4 Lb., 25c. Lb., 75c.

DWARF.—Pkt., 5c. 0z., 15c. 1/4 Lb., 30c. Lb., \$1.00.

CULTIVATION.

TO GROW LARGE ONIONS FROM SEED.

THE seed should be sown as early as possible in the spring, as they grow much better during the cool weather, and should make most of their growth before the hot weather sets in. Sow 5 pounds of seed to the acre for large Onions.

THE NEW ONION CULTURE.

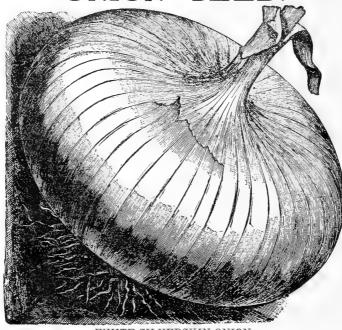
Sow the seed in hot-bed, and transplant early as possible to open ground. They can be grown very successfully by this plan.

WHITE PEARL ONION.

Earliest of all, growing with all the rapidity of a summer Radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild, and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large Onions, because of its rapid growth and fine quality.

Pkt., 5c. Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.

SEED



WHITE SILVERSKIN ONION.

CULTIVATION FOR SETS.

AVE a clean and very rich soil, which should be thoroughly cultivated, or it will not do well enough to pay for the trouble. The most successful growers work their ground several times in the fall to kill out the weeds and get ground in nice condition. Use well-rotted manure freely, and be sure to get the seeds in as early as possible in the spring, no matter if it is ever so cold or unpleasant, and keep the soil mellow and clear of weeds, and if seed is good you will have a large crop of Onion Sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill, as we do most other things. Sow the seed in drills about 12 inches apart. It will require from 40 to 60 pounds to sow an acre.

sow an acre.

WHITE SILVERSKIN, or PORTUGAL.

A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white Onion to grow largely for sets.

Pkts., 5c. and 10c.

Pkts., 5c. and 10c.

Lb., \$1.60. 5 Lbs., \$7.50.

WETHERSFIELD LARGE RED.

A well-known and favorite sort. A large yielder and good keeper. Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c.

SETS. ONION

WHITE-Qt., 25c.; mailed, 40c. YELLOW-Qt., 20c.; mailed, 30c. Write us for quotations by the bushel.

PRIZETAKER.

(American Grown.)

THIS is the large, beautiful Onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. It has a rich straw color and is of enormous size. Although of such large size, it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. By sowing this sort early you can raise a large crop of large Onions the first season with very little trouble. 'All that is necessary is good ground, proper cultivation, and not to have them too thick. Those of our growers who have tried this variety have had remarkably fine success.

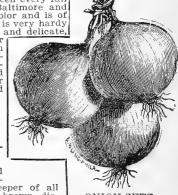
Pkt. 5c. 0x. 15c. 1/4 lb. 35c.

Pkt., 5c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.15. 5 Lbs., \$5.00.



This new Onion, introduced into the United States a few years since, has met with wonderful success, and is pronounced the best keeper of all Onions. The outside skin is of a deep amber brown, distinct from all other Onions, extremely hard and firm, of fine flavor and will keep almost indefinitely. Australian Brown is the only Onion Australian growers will plant.

Pkts., 5c. and 10c. 1/4 Lb., 50c. Lb., \$1.50.



ONION SETS.

PRIZETAKER ONION.

OKRA OR GUMBO.

SELECT warm location and rich soil, and plant when the ground becomes warm, in rows three feet apart, thinning plants a foot apart in the row. As the seeds are liable to rot in cool weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. It is one of the most wholesome vegetables in use.

September 17, 1901. I am more than pleased with your seed.

N. E. MILLER, Hudgins, Va.

TRUE TO NAME.

The Rocky Ford Cantaloupe Seed I got of you last year was excellent, and every hill proved true to name.

J. A. RICHARDSON. Smithsburg, Md.

DWARF PROLIFIC.

This is the preferred kind with the growers; is of dwarf habit and very productive.

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c.

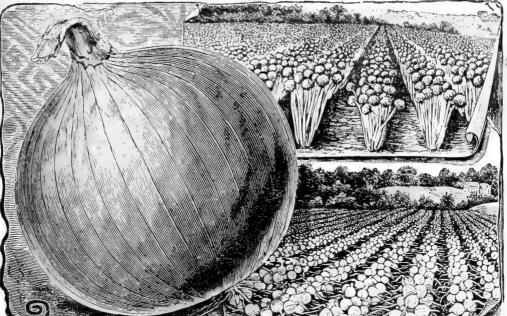
WHITE VELVET.

It is very distinct, and the pods are perfectly round and smooth, of an attractive white velvet appearance, and of superior flavor and tenderness. The pods are of extra large size, and produced in great abundance.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.



_Continued,



THIS CUT REPRESENTS A FIELD OF YELLOW GLOBE DANVERS.

DANVERS. YELLOW GLOBE

A very handsole, round, yellow Onion, a large yielder and splendid keeper; the preferred sort with market gardeners and large growers all over the country. We unhesitatingly recommend it for growing either sets or large Onions. Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., 85c., 5 Lbs., \$4.00.

An Order for Sond in packets, and Beans, Pear and Corn in pints and quarts, amounting to will be sent for \$4. chaser paying freight.

LARGE YELLOW DUTCH OR STRASBURG. Very fine; a good keeper The kind used very largely by those who grow Onion Sets for market.

by those will Sets for market. Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c. 5 Lbs., \$4.00.

YELLOW FLAT

0z., 10c. 1/4 Lb., 25c. Lb., 85c.

BERMUDA

THEY are of a mild and delicate flavor and keep longer than any foreign variety. Like the Italian varieties, they will produce full-grown Onions from seed the same season. In the South seed sown in the fall will produce fine, large On-ions for market in early spring.

MED BERMUDA. Pkt., 10c. Oz 1/4 Lb., 65c. Lb., \$2.00. Oz., 20c.

WHITE BERYEDA.

SELECT rich soil; sow the seed

PARSNIF

HE Parsnip will flourish THE Parsnip will flourish best and give the longest largest a n d smoothest roots in a very deep, rich soil —one that has been made rich from manure the previous year. Fresh manure makes the roots somewhat ill-shaped. Sow as early in the spring as the ground can be made ready, pretty thickly in drills from 12 to 18 inches apart, and about an inch deep. Thin the plants to 5 or 6 inches apart.

Hollow Crown or Sugar.

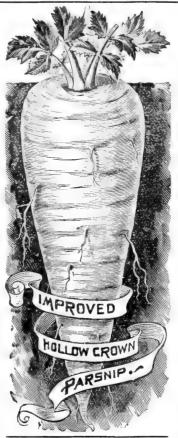
THE Hollow Crown is superior in quality to all other varieties, and the preferred kind with Baltimore gardeners. The roots are smooth, tender, handsome shape and early. We have the finest stock of Hollow Crown Parsnips that we know of in this country.

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c.

DOING SPLENDID.

We were very much pleased with the gar-den seeds we got from you. What we have sown are doing splen-

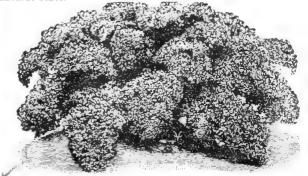
MRS. A. B. RENN, Feagaville, Md.



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

PARSLEY.

SELECT rich soil; sow the seed in drills one foot apart, covering half an inch deep. It would be well to firm the soil with the days in vegetating, it will be necessary to sow early. Thin plants to 4 inches apart when 2 inches high. The beauty of the plant may be increased by several successive transplantings. It is used principally for flavoring soups, etc., and for garnishing in its



DWARF EXTRA CURLED .- The most beautiful and valuable variefy in use; handsome bright green color, finely crimped, beautifully curled. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c. 10SS CURLED.—A very select crimped variety. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

PEPPER, or Capsicum,

S cultivated mainly for Pickles; used as a seasoning in many ways; sometimes medicinally. Sow seed early in hot-bed, if possible; if not, select a warm place in the garden for seed bed; sow as soon as the soil is warm. Transplant when 3 or 4 inches high, in rows 18 inches awart.

*CAYENNE.—Small, long and tapering, very hot; best for seasoning Pickles. Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 65c.

*LARGE SWEET.—Very large and excellent for Mangoes or Staffed Pickles. Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 50c.

*BULL NOSE, or BELL.—Good for pickling; very hot.

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 50c.

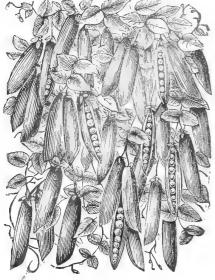
*RUBY KING.—Excellent sort of large size and mild flavor.

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 60c.

*GOLDEN QUEEN.—In shape and size similar to Bull Nose; of mild flavor; color, yellow. Pkts., 5c. and 10c. 0z., 20c.

*BED CHERRY.—Pkts., 5c. and 10c. 0z., 20c.

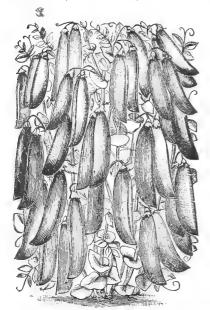
*RED CHILI.—Pkts., 5c. and 10c. 0z., 20c.



G. & T. Co.'s First Early.

(In sealed bags thoroughly rogued and hand-picked.)

THIS is the earliest of all, and the most profitable early market Pea, because of its early maturity, uniformity of growth and ripening, and its productiveness. It ripens up so evenly as only to require about two pickings to secure the crop. It is grown from selected stock, under our own supervision, and the greatest care is exercised to keep it up to the highest standard of quality. It is a great favorite with the truckers, and is largely used by private families. Our sales of this sort increase annually. Pt., 15c. Qt., 25c. Peck. \$1.50. lins., \$5.50.



Admiral Dewey.

Here we have a most excellent Dwarf Pea, with large, handsome pods; Peas of the highest quality. More dwarf than the Stratagem, and about a week earlier in maturing, regular and uniform in growth: vines stocky, healthy and of vigorous growth; pods long, frequently containing 10 Peas, of tender and delicious flavor. Don't fail to try it.

Pt., 20c. Qt., 35c. Peck, \$2.00.

NOTICE.—In ordering Peas to be sent by mail, please add Sc. per pint to pay postage.

THE dwarf varieties should be liberally manured; the tall sorts will run too much to vine if heavily manured, it being better to depend on the richness of the land that was previously in a good condition. Plant the dwarf in rows two feet apart. Those varieties attaining the height of from two to three feet in rows three feet apart and the rows of the tall-sets sort four feet apart. Bushing the tall kind when six inches high, on poles set every six or eight feet, with twine fastened to them about four inches apart will answer finely.

CHAMPION OF ENGLAND.—Height, 4 feet. An old favorite, rich flavored and very productive.

9t., 20c. Peck, 90c. Bus., \$3.50.

FORTY FOLD.—An improvement on the Champion of England.
Qt., 20c. Peck, 90c. Bus., \$3.50.

TELEPHONE. — Height, 3 to 4 feet. Large wrinkled seeds; pods large and well filled. Qt., 20c. Peck, \$1.25. Bus., \$4.25.

TELEGRAPH, OR LONG ISLAND MAMMOTH.—Resembles the Telephone in every respect, except they are a deeper shade of green. Pods are very attractive in appearance

Qt., 20c. Peck, \$1.15. Bus., \$4.00.

RURAL NEW YORKER.—Height, 2½ feet. In maturity it is among the first early. Qt., 20c. Peck, \$1.25. Bus., \$5.

FIRST AND BEST.—Height, 2½ feet. Grown with special care. One of the early varieties. Qt., 20c. Peck, \$1.25. Bus., \$5.

DEXTER (Genuine Stock). - Thoroughly rogued and hand-picked. Qt., 20c. Peck, \$1.25. Bus., \$5.00.

PHILADELPHIA.—Extra early. Qt., 20c. Peck, \$1.25. Bus., \$5.00.

TRIUMPH. Qt., 20c. Peck, \$1.25. Bus., \$5.00.

GRADUS.—The most attractive novelty of recent years, Large, handsome pods, well filled, ripening with the earliest, and vigorous habit. Pt., 20c. Qt., 35c. Peck, \$2.25.

ALASKA.—Our best rogued and hand-picked stock. Height, 26 inches. The ear-liest Blue Pea: very uniform in growth and time of ripening. The dark green color of pods makes this a most desirable sort for canners and shippers, as it can be carried long distances without losing color. Qt., 20c. Peck, \$1.50. Bus.. \$5.75.

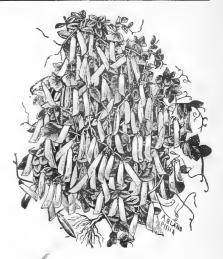
FRENCH CANNER.—Height, 3½ feet. The celebrated Pea used in France by the canners. It is wonderfully prolific, bearing an abundance of long pods containing seven to nine Peas of excellent flavor. Qt., 20c. Peck, 65c. Bus., \$2.00.

DWARF GREEN WRINKLED MAR-ROW.-An excellent new wrinkled variety. Large pods and very productive.
Qt.. 20c. Peck, \$1.10. Bus., \$4.00.

/IMPROVED STRATAGEM.—Height, 2½ feet. A large wrinkled, blue Pea, of excellent quality; very long, large, filled pods. More regular in its growth than the ordinary Stratagem, and in every way superior. Qt., 20c. Peck, \$1.25. Bus., \$4.25.

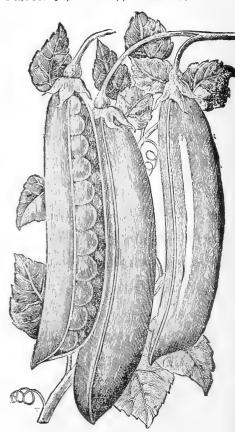
VHORSFORD'S MARKET GARDEN. Height, 2½ feet. A medium early wrin-kled variety, highly recommended. Qt., 20c. Peck, \$1.15. Bus., \$4.00.

second early wrinkled Pea, producing long, handsome, well-filled pods in great abundance. Height, 2½ feet. Pt., 10c. Qt., 20c. Peck, \$1.15. Bus., \$4.00.



V Gardener's Favorite.

HEIGHT, 30 to 36 inches. A wrinkled variety named and introduced by us, and which is constantly gaining friends; of most delicious flavor, prolific bearer, specially suited for the market garden trade. It is also attracting considerable attention with some of our leading canners, as when packed they find the quality to be superior to any other sort. Pt., 10c. Qt., 20c. Pk., \$1.25. Bus., \$4.25.



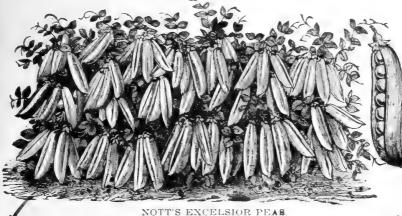
Heroine Pea.

A medium early, green, wrinkled Pea, and one of the best of recent introduction; large, curved, showy pods: an immense cropper; Peas of finest quality. Height, 2 to 2½ feet.

Pt., 10c. Qt., 20c. Pk., \$1.10. Bus., \$4.

ALL KINDS OF MACHINERY REPAIRED.

PEAS—Continued.



NOTT'S EXCELSIOR.—Is the best of dwarf wrinkled extra

NOTT'S EXCELSIOR.—Is the best of dwarf wrinkled extra early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are fully on third larger, containing 6 to 8 fine, large Peas, packed so closely together in the pods that the Peas are always more square than round. The pods are always well filled with Peas, which in the extenses and quality have no superior.

**PRILID RECENTION OF THE MARKET AND WONDER.—Very luscious in flavor. Try it. Height, 12 inches. The earliest wrinkled Pea; very productive and sweet. Better suited to the private than to the market priden.

**PREMIUN GEM.—Height, 15 inches. An improvement upon the Little Gem. A splendid wrinkled dwarf Pea, very luscious in flavor.

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PLANT in May, in hills 8 feet apart. Allot 10 seeds to each hill, as bugs often destroy the young plants, but only allow 2003 healthy plants to remain in each hill. They are usually planted in fields with Corn or Potatoes.

TENNESSEE SWEET POTATO.—(Crop failed.) A shoundid pie and cooking Pumpkin. They grow pear-shaped, of medium size, slightly ribbed; skin is creamy white, lightly striped with green; flesh very thick, creamy white, dry and fine grained, keep-

ing well until late in the spring. When cooked resembles Sweet Portoes, but much more delicious in taste.

CONNECTICUT FIELD .- Very productive and grown for feed-

YELLOW CASHAW, OR CROOKNECK .- Solid flesh, fine and

ck. It is so well known that it does not need descr Qt., 15c. Lb., 20c. 5 Lbs., 75c. Peck, 85c.

Weet; keeps well. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

WORKSHIRE HERO. — Height, 21, feet. A wrinkled variety; productive, and of very sul rior flavor. Qt., 20c. Peck, \$1.00. Bus., 84

ADVANCER.—Height. 2% feet. A green wrin-kled variety, introduced some years ago, and has always given satisfaction. Qt., 20c. Peck, \$1.10. Bus., \$4.00.

ABUNDANCE.-Height, 30 to 36 inches. cellent half-dwarf, medium early, wrinkled variety, pods 3½ inches long, containing 6 to 8 large Peas of excellent quality.
Qt., 20c. Peck, \$1.10. Bus., \$4.00.

EVERBEARING.—Vines about 2 feet high, of branching character, forming as many as 10 talks from a single root stalk. Peas large and Ine quality.

Qt., 20c. Peck, \$1.10. Bus., \$4.00.

SUGAR MARROWS.—Height, 3½ feet. Grows a strong vine, bears in abundance large, filled pods. The truckers' favorite.

Qt., 20c. Peck, \$1.25. Bus., \$5.00.

EDIBLE PODDED OR

MELTING SUGAR-Edible Pods.

THIS variety is ahead of all other Sugar Peas, not only in size THIS variety is ahead of all other Sugar Feas, not only in size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of 5 feet, bears a profusion of very large, broad, handsome light green pods, and are so brittle that they snap without any strings.

Pt., 15c. Qt., 25c. Peck, \$1.25.

TALL GRAY SUGAR.—Edible pods; cooked in the pods same spap Beans.

Pt., 15c. Qt., 25c. Peck, \$1.50.

DWARF GRAY SUGAR .- Endible pods; quite a favorite Pt., 15c. Qt., 25c.

FIELD PEAS.

SEE PAGE 33.

Pumpkin in cultivation.
In shape and size it some what resembles the Cashaw. but much more beautiful in color, being a handsome green and white stripe. The flesh is a rich yellow color, solid, fine-grained, very thick.

LARGE CHEESE. - Skin, reddish orange; fiesh thick fine and sweet.

Pkt., 5c. 0z., 10c. Lb., 15c. Lb., 40c. /4 Lb., 15c.

MARYLAND SWEET POTATO. THIS is the best

flavor delicious.

Pkt., 5c. Oz., 10c.
1/4 Lb., 20c. Lb., Lb., 65c.

WHITE STRASBURG .- This is becoming one of the most popular summer sorts; it is of handsome tapering shape, skin pure white; very tender. Pkt., 5c. 0z., 10c. 1/1 Lb., 15c. Lb., 40c.

CHINESE ROSE WINTER.-Re markably fine for winter use. The best of the winter sorts. Pkt., 5c. 0z, 10c. 1/4 Lb., 20c. Lb., 50c.

MARYLAND SWEET POTATO.

CINCINNATI MARKET NEW GLASS RADISH.—Pkt., 5c. 0z., 10c. 1/4 Lb., 15c. Lb., 35c.

WHITE CHINESE WINTER, or CELESTIAL. — An excellent white winter Radish; a good keeper. Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.



ng stock.

SPANISH RADISH.

RADISHES.

LONG BLACK SPANISH.—A large winter variety; one of the hardiest, with dark green leaves, firm in texture; keeping

Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c. LARGE WHITE SPANISH, Winter .-

Fine keeping quality.
Plat., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.

ROUND WHITE SPANISH. — A good GIANT STUTTGART.—A splendid new variety, of excellent quality; withstands summer heat.

Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.

ROUND BLACK SPANISH. — A fine

15. Lb., 40c. fall or winter variety.

Pky., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.

ROUND BLACK SPANISH. - A fine globe-shaped Radish, very popular with the Germans, known as Rettig; good quality.

Pk#., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

SCARLET OLIVE-SHAPED RADISH. A showy half-long variety of pretty shape and bunches beautifully.

Pkt.. 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 50c.



White

EARLY SCARLET TURNIP. - Turnip

shaped, skin red; for

forcing. Pkt. 5c. 1-4 4b. 15c. Lb. 50c.

FRENCH BREAK-FAST.—Of Oval form; color scarlet, white tipped. Pkt. 5c. Oz. 10c. 1-41b. 15c. Lb.

EARLIEST WHITE TURNIP.—Forforcing. TURNIP.—For forcing.
This and the Red Turnip bunch together very nicely. Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb.

TRIUMPH RAD-ISH-Striped, Red and White.—This is a beautiful and odd rad-ish, which, when mixed in the bunch with Scarlet

50e.

Delicacy.

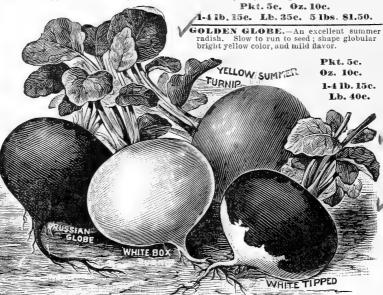
RADISHES,

OR an early supply sow in hot-bed in February. For a successive supply sow from middle of March to September. Radishes thrive best in light, rich, sandy loam. The radish must make a rapid growth to be fit for use; it will then be crisp and tender and of a mild flavor. If it grows slowly it will be hard, fibrous and disagreeably pungent.

WIS TE DELICACY.—This excellent Radish, introduced by us last year, has proved itself all that has been claimed for it. It has become a great favorite with the truckers and market gardeners around Baltimore. Succulent, crisp, delicate, smooth and clean. Among the carbest spring varieties; an improvement on the White Strasburg, which it resembles, being more evenly shaped and smaller-topped; grows into full size and perfection during the hottest months.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

ARGE WHITE SUMMER, The Great Summer Radish.—This is the most popular white radish for summer use with the gardeners around Baltimore, because of its handsome appearance and ready sale, and its well-known quality of being slow to run to seed.



EARLY SCARLET, or PRUSSIAN GLOBE RADISH.—This is the very best forcing variety; is sown largely by market gardeners and truckers, and they are delighted with it. It is of globular shape and brilliant, beautiful crimson color, short top, and will stand a large amount of heat without becoming pithy. Pkt. 5c.

WHITE VIENNA, or LADY FINGER.—This is unquestionably the finest long white radish. Of most handsome shape; color a beautiful snow white. It is of very rapid growth, and remarkably criss brittle and tandar equally desircrisp, brittle and tender, equally desirable for the market or home garden.

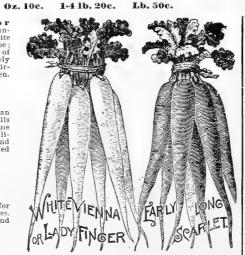
Pkt. 5c. Oz. 10c. 1-4 lb. 15c, Lb. 40c.

LONG SCARLET — (American grown).—Very attractive and sells readily. Owing to its handsome shape, brilliant color and fine qualities, it commands a higher price and more ready sale than the imported Long Scarlet, as generally sold.

Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 35c. Five lbs. \$1.50.

CHARTIER.—A good variety for private or market garden purposes. Stands long before going to seed, and is tender and crisp.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.



RHUBARB, or PIE PLANT.

SOW in April in drills one inch deep and one foot apart. When plants are large enough, thin to ten inches apart, and cultivate. In the fall or following spring, transplant into deep, rich soil three feet apart each way.

Pkt. 10c. Lb. \$1.50.

Large White Summer.

WHITE BOX .- Perfectly round, WHITE BOX.—Perfectly round, smooth skin, pure white, free from any sharpness or bitterness. A remarkably quick grower, with small top. For forcing it is in every way superior. Pkt. 5c. Oz. 10c. 1-41b. 20c. Lb 50c.

EARLY WHITE TIPPED SCARLET.—An excellent variety for forcing, with very short leaves; bright scarlet in color, with a white tip. Pkt. 5c. Oz. 10c. 1-41b. 15c. Lb. 40.

SALSIFY or Vegetable Oyster.



Sow in early spring on light, rich soil in drills fourteen inches apart and thin the plants to six inches in the row. The roots will be ready for use in October, and will sustain no injury by being left in the ground during the winer.

ANDWICHISLAND MAMMOTH.—This new Salsify growsfully twice the size of the old sort, and is superior in quality. Invaluable to market grufener. Pkt. 5c. 02. 10c.

**1/4 b. 35c. Lb. \$1.25.

ARGE WHITE.—The old well-known variety. Pkt. 5c and 10c.

1/4 lb. 30c. Lb. \$1.00.

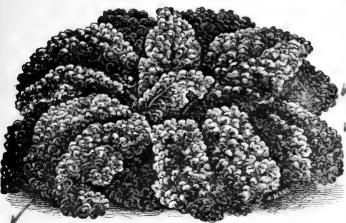
in the bunch with Scarlet R dishes, makes a pleasing contrast. The radishes are globe shape and strikingly han dso me, having bright scarlet stripes on a white ground. It is a splendid forcing variety, with short top, small leaves, and matures quickly. It is very ornamental for table use. Pkt. 10c. table use. Pkt. 10c. Oz. 15c. 1-4 lb. 50c.

Oz. 15c.

1-4 1b. 50c.

ALL KINDS OF MACHINERY REPAIRED.

SPINAC



HIS is quite an important crop with market gardeners, and one easily managed.

one easily managed.

For summer use, sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For very early spring use sow in August, and protect the plants through the winter by a thick covering of clean straw or some similar light covering. Spinach is used principally as greens for boiling, and is very highly esteemed for this purpose.

LARGE ROUND-LEAVED VIROFLAY. - A new sort, with very large, thick leaves.

Pkt. 5c. 1-4 lb. 10c. Lb. 20c.

LONG STANDING.—Best for spring sowing, as it is very slow to seed. The leaves are large, round, unusually thick, curled and of dark green color.

Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

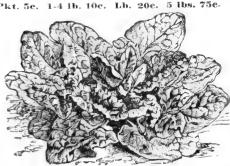
URLED SAVOY, or BLOOMSDALE .- The leaves are fine. curled, large, thick and heavy, and are produced in great num-

Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

G. T. & CO'S EXTRA CURLED AMERICAN GROWN SAVOY SPINACH. - This is T. & CO'S EXTRA CURLED AMERICAN GROWN SAVOY SPINACH.—This is grown specially for us, and is without exception the best type of Savoy Spinach in existence. It is beautifully curled and wrinkied, the leaves large, thick and heavy, produced in great numbers, and stands handling and transportation better than any other sort; in fact, we hardly think we could say too much about this valuable acquisition to the spinach family. Sold only in sealed bags.

Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

VICTORIA SPINACH.—This new spinach comes to us with the highest recommendations from the growers. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and of the finest quality, but the most remarkable feature that will make it of special value, both for market and family gardens is the fact that it is in prime condition from two weeks to three weeks after all other varieties of spinach have run to seed. Pkt. 5c. 1-4 lb. 10c. Lb. 20c.





EARLY WHITE BUSH SCALLOP. -A desirable and marketable sort. Best known and most productive of all the summer sorts.

> Pkt. 5c. 0z. 10c. 1-4 lb. 15c. Lb. 30c. 10 lbs. \$2.50.

EARLY YELLOW BUSH SCALLOP.—
An early, flat scallop shaped variety; color yellow, flesh pale yellow and well flavored, very productive; used when young and ten-

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

BEST EVER BOUGHT.

Please find money for seeds named. Hope your seeds will be as good as last year. They were the **best we** ever bought.

Mrs. J. W. THOMPSON, West Virginia. 1901

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and the reflection with after after after reflection and a sufficient

THE Squashes are all quite tender, and therefore no progress can be made in starting them until the weather becomes somewhat warm and settled. Plant in hills five feet apart each way for the bush varieties, and eight feet for the running varieties; put eight seeds to the hill, but don't allow over three to stand. HE Squashes are all quite tender, and therefore



SUMMER CROOK NECK (Early) .- Fine flavor; a desirable table sort P)st. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.

WINTER CROOK NECK .- Flesh red, fine flavor; largely grown for winter use.

Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.

HUBBARD.—Fine and desirable for winter use. Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.

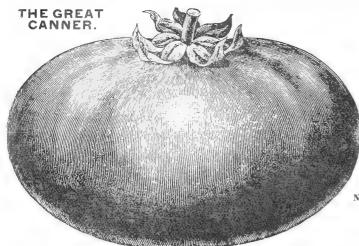
MOSTON MARROW. -A fall and winter variety, very popular in the Boston market. Of oval form, skin thin, when ripe, bright orange mottled with light cream color, flesh rich salmon yellow, fine grained, and for sweetness and excellence unsurpassed, but not as dry as the Hubbard. Fine for pies or baking. Pkt. 5c. Oz. 10c. \(\forall -lb. 15c. Lb. 35c. 10 lbs. 300.

BOSTON

TOMATO WORLD'S

GRIFFITH & TURNER CO.'S LD'S FAIR TOMATO.

Get the Genuine in our Sealed Packages.



T is scarcely necessary to speak of this GREAT TOMATO among those who have used it, because they have become our best advertisers, constantly praising, and persuading others to use it. Our sales of seed of this sort have in creased each year far beyond our expectation. It is with out exception one of the best for Canners, Market Gardeners or private use, because of its solidity, symmetrical shape handsome bright red color, uniformity of ripening and freedom from rot. Its shipping and keeping qualities are unexcelled The gentleman who superintends the growing of this seed for us says: "I desire to call especial attention to this stock; it is particularly solid and of fine flavor, the fruit is good size smooth and certainly attractive. I venture to say without feat of contradiction that your Tomato will bear off the palm for quality and flavor in the hands of impartial judges. Parties around here who saw some of the fruit said they had never seen any better Tomato." We could get any number of testimonials to bear us out in all we say about this excellent Tomato.

Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.50. 4 Lbs. for \$5.00.

NOTICE.—Because of the well-known superior quality of this Splendid Tomato, and the increasing demand for the seed, other parties are cataloging a Tomato under the same name. In order to protect those who want the pure article WE GIVE NOTICE that we shall only sell the WORLD'S FAIR TOMATO in sealed packages.

BEWARE OF CHEAP TOMATO SEEDS, saved in canning houses, as it is sure to be a mixture of different sorts. We take special care in growing our Tomato Seeds. We have the seed stocks selected carefully each year, and the crops are inspected by us during the period of growth and maturity of fruit, and we are thus prepared to offer our customers Seed of the first quality.

OR EARLY FRUIT sow the seed in March or April, in the hot-bed or in pots in a sunny exposure in the house. When the plants are about three or four inches high they should be set out four or five inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May set the plants in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be had by sowing a few seeds in a shallow box or flower pot, and placing in a sunny window in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will admit of training to stakes or trellis of various kinds, and the fruit is very much improved both in appearance and quality. This mode of cultivation is now quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes five to seven feet in height, tying the plants up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.

GOLDEN QUEEN, or SUNRISE.—Pkts, 5c. and 10c. Oz. 20c. 1-4 lb. 75c.

PEAR-SHAPED RED. -Pkts. 5c. and 10c. 0z. 20c. 1-4 lb. 75c.

WARF CHAMPION.—Plant grows stiff and upright, and may be planted closer than other varieties; bears throughout the entire season. The fruit resembles the Acme, and is smooth and affractive in appearance.

Pkts. 5c. and 10c. 0z. 20c. 1-4 lb. 50c. Lb. \$1.50.

PONDEROSA.—A remarkably large and heavy-fruited Tomato, deep red in color; flesh very thick, solid and of excellent quality. Pkts. 10c. Oz. 35c. 1-4 lb. \$1.00.

(MPERIAL.—This new variety is highly recommended by leading growers. The originator claims it to be much earlier than any other; a beautiful, symmetrical and meaty Tomato.

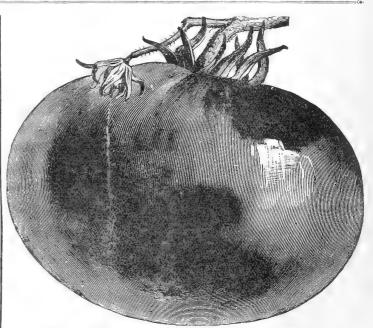
Pkts. 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.50.

CRIMSON CUSHION.—In shape and size this resembles the Ponderosa; color is deep red.

Pkts. 10c. Oz. 35c. 1-4 lb. \$1.00.

FEAR-SHAPED YELLOW.—Used for preserves and pickles.
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 60c.

YELLOW PLUM.—Color bright yellow; excellent for preserving. Pkts. 5c. 0z. 25c. 1-4 lb. 75c.



B. B. TOMATO.

BRINTON'S BEST.—We have secured headquarters' stock of this excellent and popular new variety; it is one of the leading sorts for second early and late use; the fruit is large, handsome, and a splendid keeper. A great favorite with canners and truckers

and truckers.

Pkts. 5c. and 10c. 0z. 20c. 1/4 lb. 50c. Lb. \$1.50. 4 Lbs., \$5.

LORRILARD.—Best for greenhouse forcing; bright glossy red; very smooth.

Pkt., 10c. 0z., 30c.

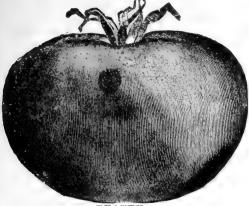
A PLEASURE TO RECOMMEND THEM.

I like your seeds very much, and it gives me great pleasure to recommend them.

Miss BETTIE HANSBROUGH.

March 21, 1901.

Maryland



--- CONTINUED.

ATLANTIC PRIZE (Select Stock.)-An excellent extra early red Tomato while it does not run as regularly smooth as the Paragon, it ripens very about Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50

FAVORITE.-This is a large, perfect-shaped Tomato. One of the best for either canning or market purposes.

Pkts., 5c, and 10c. 0z., 20c. 1/4 Lb., 40c.

ACME.—Of superlative merit, early, medium size; shape slightly oval smooth, and of a pink-purplish color.

Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.

PARAGON.—Here we have a variety—the perfection of a Tomato—large solid, smooth and handsome, deep red color. It is superb. No praise can be too high.

Pkts., 5c. and 10c. 0z., 20c. 1, 4 Lb., 40c. Lb., \$1.25.

ROYAL RED .- A new Tomato, much resembling the Favorite in form and color. A good main crop variety.

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 40c. Lb., \$1.25.

BEAUTY.

FOR EARLY MARKET and shipping this cannot be excelled, because of its solidity and toughness of skin. Color is a rich, glossy crimson, with a slight tinge of purple. It is well known and verly largely used by ur gardeners.

kts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.

PRIZETAKER.—A very desirable early sort, large, of handsome shape, and deep crimson color, with a slight tinge of purple.

Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 40c. Lb., \$1.25.

PRIZEWINNER TOMATO.—In this new sort we have the prince of market Tomatoes. In color somewhat resembling the Beauty, but much larger, very solid, ripens early, and with us was one of the best keepers we have seen. As an early Tomato it is first class, selling for the highest market price. It is also well adapted for a late crop. It is smooth and uniform in shape, and in quality it cannot be surpassed.

Pkts., 5c. and 10c. 0z., 20c. 1/4 Lb., 40c. Lb., \$1.25.

THANKFUL FOR FINE CROP.

I am thankful for the fine crop of vegetables that I grew from your reliable seeds, which causes me to send for more.

WILLIAM CONRAD, Leatherwood, W. Va. January 12, 1901.

STONE.

THE NEW STONE TOMATO .- Ripens for main crop; is very large and of bright scarlet color, very smooth, with occasionally a specim very slightly octagon-shaped, ripening evenly to the stem without crack; exceedingly solid and firm-fleshed (as its name indicates). It is excellent shipper; fine for canning; a good keeper; not subject to rot. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25. LOMATO.

SWEET, POT AND MEDICINAL HERBS.

A little collection of Sweet Herbs is a treasure to the cook and nurse. A small place in the garden will give all the herbs needed in any family, and care should be taken to harvest them properly. This should be done on a dry day before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart, and when well up thin out or

transplant to a proper distance.

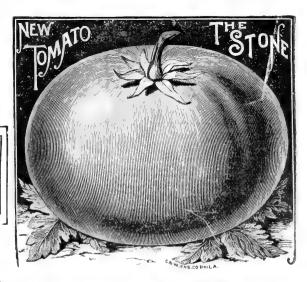
ANISE. — Pkt.,
5c. Oz., 20c. BASIL.-Pkts., 5e. and 10e. 0z., 20e. BENE. — Used medicinally. Pkt., 5c. Oz., 20c. BORAGE.-Excellent for bees.
Pkt., 5c.
Oz., 15c. Oz., 15c. CARAWAY. Pkt., 5e. 0z., 15e.

CHERVIL. Pkt., 5c. Oz., 25c. MARJORAM. CHICKORY,
Pkt., 5e, Oz., 10e,
CORIANDER.-Pkts., 5e,
and 10e, Oz., 15e, Pkt., 5e. 0z., 20c. 1/4 Lb., 50c.

DILL.-Pkt., 5c. 0z., 10c. 1/4 Lb., 20c. Lb., 65c.

DILL.—Pkt., 5c. Oz., 20c.
LAVENDER.—Pkt., 5c. Oz., 20c.
FENNEL (Sweet).—Pkt., 5c. Oz., 10c. 1/4 Lb., 25c.
ROSEMARY.—An aromatic Herb. Pkt., 5c. Oz., 30c. SAGE (American).-Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb.,

SUMMER SAVORY.-Pkts., 5c. and 10c. Oz., 15c. SUMMER SAVORY.-Pkts., 5c. and 10c. Oz., 15c. and 10c. Oz., 15c. THYME (Broad-leaved English).—Pkts., 5c. and 10c. 0z., 25c. 1/4 Lb., 75c.



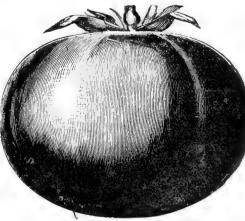
Fruit somewhat resem-bles Paragon in appearance, This sort is well known and a favorite a mong can-ners, but it is not as deep red in color nor as weighty and solid as our World's Fair. our

Pkts., 5c. and 10c.

0z., 20c.

1/4 Lb., 40c.

Lb., \$1.25.



THE FINEST SEED I EVER SAW.

The Tomato Seed I got of you last spring was the finest The roman seed right of you last spring was the linest
I ever saw. I got you several orders, and think I will
get you more this season. I shall want as much as ten
pounds of Tomato Seed later.

R. T. WHITE, September 17, 1901

Gilette, Fla

TOBACCO.

WHITE BURLEY.—Especially desirable for the manufacturof cigars, as the leaf of this kind teadily absorbs a long quantity of manufacturing material.

Pkt., 10c. 0z., 30c. 1 t.b., 90c. l.b., 83.00.

CONNECTICUT SEED LEAF.—An old well-known variety, best adapted to the Middle States.

Pkt., 10c. 0z., 20c. 1/4 l.b., 60c. l.b., \$2.00.

HAVANA.—Grown from seed imported from the district of Vuelta de Abajo.

Pkt., 10c. 0z., 35c. 1/4 l.b., \$1.00.

MARYLAND.—Pkt., 10c. 0z., 25c. l.b., \$3.00.

OR early use, sow the small sorts as soon as

OR early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Rutabagas thirty inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. Select light, and if possible, very weather select light, and if possible, and should be to a sound the young plants be troubled with insects, a sprinking of sing shot will be beneficial. For fall and winter use the early kinds should be sown, from the middle of July to the middle of August; and the Rutabagas from the middle of June to the first of July, using from one to one and a half pounds of seed to the acre.

LARGE EARLY RED TOP GLOBE. A variety of recent introduction. Of large size, rapid growth, unusually attractive. Approved and admired by all who have seen it. A very much heavier producer than either of the Flat varieties and quite as early as the Flat Red Top. Very few market gardeners will have any other kind.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

TELLOW ABERDEEN, or SCOTCH YELLOW. This a highly approved CATTLE TURNIP, attaining a large size. It is solid, nutritious, a good keeper, and in every respect reliable.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c

LARGE AMBER, or YELLOW GLOBE .- Grows to a large size, riesh yellow, firm and fine grained. Excellent for either table use or feeding stock.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.



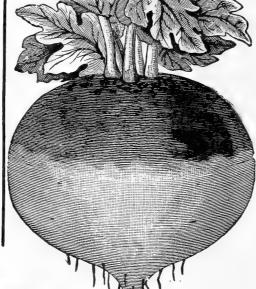
THE Swede Turnips, or Rutabagas, grow much larger in size, and are of greater value for stock feeding than ordinary turnips. Every farmer and stock raiser should grow Rutabagas and Stock Beets for winter feeding.

GRIFFITH & TURNER CO.'S IMPROVED PURPLE TOP.

Yellow fleshed. A standard field variety for stock, and fine for family use. This splendid Swede is the hardiest, most productive, and most nutritious variety in cultivation.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

YELLOW RUTABAGA.—1-4 lb. 10c. Lb. 25c. (If Turnip is wanted by mail, add 10c. per lb. for postage.)





Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

EXTRA EARLY PURPLE TOP MILAN. The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.

Pkt. 5c. 1-4 lb. 20c. Lb. 50c.

WHITE FLAT (Strap Leaf).-Differs from Red Top only in color.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

EARLY WHITE EGG.—A new variety of rapid growth; egg-shaped and white, as its name indicates.

Pkt. 5c. 1-4 lb. 15c. Lb. 40c.

COW-HORN (Large Cropper) .- This variety is pure white, excepting a dash of green at the crown, and in shape is long like the carrot.

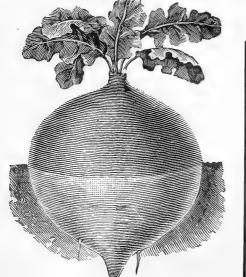
Oz. 5c. 1/4 lb. 15c. Lb. 35c.

SEVEN TOP.—For greens and salads. Used largely in the Southern States.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

SOUTHERN PRIZE.—True strain of the fa-forite Turnip for Greens in Virginia and the Caro-linas. Valued also for its bulb.

0z. 5c. 1/4 lb. 10c. Lb. 30c.



RUTA BAGA.

Vegetable Roots.

ASPARAGUS ROOTS .- (See page 1),

RED TOP GLOBE.

ARTICHOKES (Jerusalem) .- Pk. \$1.00. Bu. \$2.50. For further information see page 1.

HORSE RADISH ROOTS .- Doz. 20c. Per 100, 75c. Per 1,000,

RHUBARB ROOTS .- 15c. each. Doz. \$1.50.

CASH WITH ORDER

We will not ship Plants C. O. D. Shipments at purchaser's risk, CABBAGE .- 40c. per 100. 500 for \$1.25. \$2.00 for 1000. TOMATO.-40c. per 100. 500 for \$1.25. \$1.75 for 1000. CELERY.-50c. per 100. 500 for \$1.25, \$2.00 for 1000. EGG PLANTS, PEPPER, Etc.





WHITE CORN.

LIMPROVED WHITE PROLIFIC.

THIS Corn is specially adapted for strong ground, exceedingly prolitic, very showy, large ears, deep grain, slightly wrinkled, frequently grows two ears to the stalk. Produces heavy fodder; decidedly the best paying Corn for strong land.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

MARYLAND WHITE.—This is an excellent white Corn, grows good-sized ears, and makes splendid meal. Produces better crops on average land than most any other variety.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

BLUNT'S PROLIFIC. — Remarkably prolific, producing from 3 to 5 good-sized ears on a stalk and growing very large fodder; is frequently used for ensilage.

Peck. 50c. Bus., \$1.50. 4 Bus., \$5.50.

SOUTHERN SNOWFLAKE. — A well-known and very popular Corn through the South. Suitable for meal or feeding purposes; the best white Corn for poor land.
Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

90-DAY CORN (Red Cob).—This is an elegant Corn for truckers and market gardeners, as it is a good seller as green Corn. Is suitable for

a good seller as green Corn. Is suitable for either early or late crop.

Qt., 10c. Peck, 50c. Bus., \$1.50.

*HICKORY KING WHITE CORN.—It is of quick, strong growth and very early maturity, producing large ears having eight to ten rows of very large, broad, flat white dent grains, which are closely placed on a very slender cob. It yields fine crops on light soil, and is highly desirable where a pure white Corn is wanted for flour or meal.

Peck, 50c. Bus., \$1.75.

Peck, 50c. Bus., \$1.75.

WHITE ENSILAGE CORN.
Specially adapted for Ensilage. Bu Bus., \$1.50.

YELLOW CORN.

UR MARYLAND DENT CORN has taken first premium over all other field Corn wherever exhibited. The grains are unally deep, ears large, stalks grow from 7 to eet high, does not exhaust soil so much, and usually deep, feet high 10 feet high, does not exhaust soil so much, and will stand drought better than a large stalk, and will yield 5 to 10 bushels per acre more than any other Corn generally planted.

Qt., 10c. Peck, 50c. Bus., \$1.50.

4 Bus., \$5.50.

EARLY LEAMING.—An early selected variety of yellow Corn, small grain, weighty and productive. Highly esteemed in Maryland and Pennsylvania. One of the earliest varieties of yellow Corn in cultivation.

Qt., 10c. reck, 50c. Bus., \$1.50. GOLDEN BEAUTY.—A large, broad-grained yellow Corn, with ears of perfect shape and very small cob. The richness of color and the quality of the grain make it a very superior varie

Qt., 10c. Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

CHESTNUT GROVE YELLOW CORN.-This Corn was grown on Chestnut Grove Farm, Baltimore County, and the average yield from the whole crop was eighteen and one-sixteenth barrels to the acre. The ears are large, deep, medium-sized grain, and of beautiful color.

Peck, 50c. Bus., \$1.75. 4 Bus., \$6.00.

90-DAY YELLOW.— This is an excellent, quick-growing variety. May be planted after peas are taken off, and make a good crop. Largely used by truckers around Baltimore.
Qt., 10c. Peck. 50c. Bus., \$1.50.

POP CORN.

The best kind for popping. Lb., 10c. 4 Lbs., 25c. By mail, 20c. per Lb.

Seed Wheat and Rve.

We can offer choice stocks of Seed Wheat and and at reasonable pri us August 1st for special prices for fall sowing.

THIRTY-TWO POUNDS TO THE BUSHEL.

CLYDESDALE .- A very early and productive variety of extraordinary weight. Per Bus. (32 Lbs.), \$1.25.

WHITE RUSSIAN .- Per Bus., \$1.00.

WELCOME.—An excellent variety, very productive and heavy. Per Bus. (32 Lbs.), \$1.00.

GOOD SEED OATS.—Unnamed varieties.
At Market Prices.

Winter Turf Oats.

Perfectly hardy in the Southern and Middle States, standing the winter nearly as well as wheat. Yields, on good land, from 50 to 70 bushels to the acre. of fine, heavy grain, weighing from 35 to 40 pounds to the measured bushel. Furnishes excellent fall, winter and early spring grazing, witnout injury to the grain crop. Write for prices 1st of October.

SEED BUCKWHEAT

JAPANESE.—The best sort. The plants are large and vigorous, maturing their seed early, and resisting drought and blight remarkably well, while the grain is much larger and at the same time has a thinner hull than the common or the Silver Hull. Owing to its branching character, only one-half the seed is required per acre, while the straw is much stiffer and stands up better. We recommend this especially for well-drained or sandy land, and the dry climate of the Western plains.

\$1.25 Per Bushel.

BARLEY.

MANSHURY SPRING BARLEY .- This is the

manshury spring barley.—This is the most productive variety we know, and having grown it ourselves, car recommend it. By Express or Freight—Peck, 50c. Bus., \$1.50. NEW BEARDLESS SPRING BARLEY.—The earliest Barley known. If sown about March 20, will ripen about June 28. The straw is about the height of the common Barley, but better, and will stand up on any land. Sow as early as you can; frost does not hurt it. Being beardless, it handles as easy as oats, and makes a stronger feed. By Express or Freight—Peck, 50c. Bus., \$1.50. Bags, 18c.

German, Kartoffel.

HE soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato being a gross feeder, requires a liberal application of manure. If stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the Potato. Almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. GRIFFITH & TURNER

CO.'S Plant Food is especially adapted for Potatoes, as it promises growth and, at the same time prevents disease Plant

for Potatoes, as it promises growth and, at the same time, prevents disease. Plant as early in the spring as the ground can be thoroughly worked in rows 3 to 4 feet apart and 1 foot in the rows, covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut Potatoes, in a light, warm room, from 4 to 6 weeks before planting; then lift carefully and plant out. By this process sprouts are obtained that, as soon as planted out in the open ground, will send out shoots and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking.

CO.'S EXTRA EARLY PRIZE.—This Potato is in all respects a very superior early sort. It proved to be wery superior early sort. It proved to be the earliest and most productive of any we tried; also found its eating qualities first class. We consider it the best early Potato on the market today.

Peck, 50c. Bus., \$1.75. Bbl., \$4.50.

BLISS TRIUMPH.—This beautiful vaciety combines the wonderful productiveness of the Peerless, with all the good qualities of the Early Rose; is much more productive, and matures its grop at least a week in advance of the Early Rose.

Peck. 50c. Bus., \$1.75. Bbl., \$4.50.

MAINE, OR HOULTON EARLY ROSE.—The Early Rose led the list for over 30 years, and is today one of the best early market Potatoes. Our stock of this is grown on new land, near Houlton. Maine, is rugged and pure, and produces as good crops as those which made the Early Rose famous in its early years. Remember that this stock is not to be confounded with the old run-out Rose, grown in other sections.

Peck, 50c. Bus., \$1.50. Bbl., \$4.00.

NEW YORK EARLY ROSE .- A leading variety for earliness,

quality and productiveness.

Peck, 50c.

Bus., \$1.50. Bb1., \$4.00.

Peck, 50c. Bus., \$1.50. BDI., \$2.00.

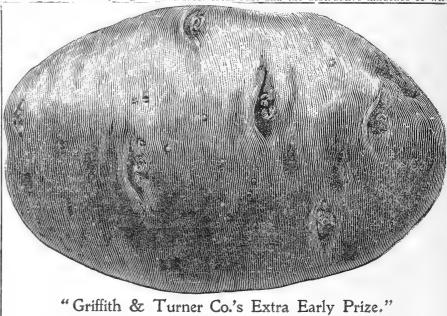
IRISH COBBLER (A New Sort).—Very productive, matures ahead of the Early Ohio. Shape chunky, eyes strong and deeply set, skin netted flesh white, quality very superior. The writer's attention was called to this variety while on a tour of inspection, and we concluded to place it in our collection. We believe it is something extra. Don't fail to get it.

Peck, 60c. Bus., \$1.75. Bbl., \$5.00.

EARLY OHIO.—This is very early and productive, of fine qual-

ity, and an excellent keeper,
Peck, 50c.
Bus., \$1.50. Bbl., \$4.25.

EARLY NORTHER.—This superb Potato originated at Caribou, Maine. It resembles the Early Rose in shape and color, matures earlier than the Rose, and is much more productive. Under our own observation the past season it yielded more than the Rose, matured earlier, and was in all respects superior, Peck. 50c. Bus., \$1.50. Bbl., \$4.00.



RURAL NEW YORKER. No. 2.—A valuable variety of large size, very smooth and a great cropper; in quality unexcelled. This variety is yearly becoming more popular as the best late long keeper, and we recommend it highly.

Peck, 50c. Bus., \$1.50. Bbl., \$4.00.

BURBANK.—This is an old and reliable variety, and is A No. 1 for a late, large-yielding, good-keeping Potato, and for table use, after January 1st, is one of the best. Peck, 50c. Bus., \$1.50.

NEW QUEEN.—A grand Potato of recent introduction, closely resembling Beauty of Hebron in appearance, color, size and shape, but is 7 to 10 days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is of this variety comes pure and true to name.

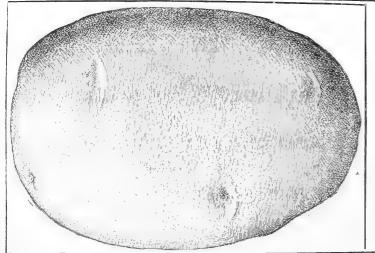
Peck, 60c.

Bus., \$1.50. Bbl., \$4.25.

PRICES SUBJECT TO MARKET CHANGES.

POTATOES. SWEET

Choice Jersey Sweets at Market Prices During Scason. Write Us for Quotations.



Second Crop Seed Potatoes.

THE advantage derived from second seed over first crop is that they do not sprout or shrivel, or lose any of their vigor through the winter, having been checked by frost before maturity; they lie dormant, ready to grow vigorously when planted. They rarely send up more than one sprout; this may divide into several branches; the consequence is all the growth goes into the tubers. They do not form as many to the hill as matured seed, and they grow full marketable size 12 to 15 days earlier than ordinary seed.

The following varieties are grown from second crop seed:

CROWN JEWEL .- This is a seedling of the Early Ohio. Skin white, with a flesh tint: meat white and floury, cooking evenly through. A very early bearer, and its keeping qualities are equal to the best.

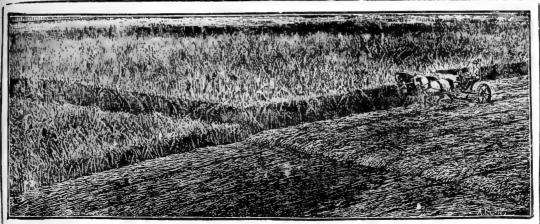
Peck, 50c. Bus., \$1.50. Bbl., \$3.75.

EARLY ROSE .- Peck, 60c. Bus., \$1.50. Bbl., \$4.00. EARLY PURITAN.-Pk., 50e. Bus., \$1.50. Bbl., \$3.75. BURPEE'S EARLY .- Pk., 50c. Bus., \$1.50. Bbl., \$3.75.

For large quantities write for Special Prices.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

OUR SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURES.



GRASS SEED.

CREEPING BENT GRASS (Agrotis Stolonifera).-Excellent for lawns, succeeds well in all conditions, makes a low velvety growth. Lb., 25c. Bus. (20 Lbs.), \$4.00.

ITALIAN RYE GRASS.—Is an annual and should be sown every year, at the rate of 25 to 30 pounds per acre. It can be sown during August, September or October. It should be mown as early as the blossoms appear, or the hay will not be so good, and it can be cut every month from early spring if the soil and weather are suitable. Lb., 15c. 8 Lbs., \$1.00.

ENGLISH RYE GRASS (Lolium Perenne).—This makes a quick growth very early in spring, and is adapted for cool, moist locations. 24 pounds to the bushel; 3 bushels to the acre. Lb., 25c., postpaid. Bus. of 22 Lbs., \$2.00.

MEADOW FOXTAIL (Alopecurus Pratensis) .- Closely resembles Timothy in growth, but has a soft feathery head. It is a valuable pasture grass by reason of its rapid growth. About 7 pounds to the bushel; 3 bushels to the acre.

Lb., 40c., postpaid. Bus., \$2.00.

CRESTED DOG'S TAIL (Cynosurus Cristatus) .- Should enter in moderate quantity in permanent pasture mixtures, and in larger quantities for lawns, as it possesses in a marked degree all the desirable features of a good lawn grass.

Lb., 25c. 10 Lbs., \$2.00.

MEADOW FESCUE, RANDALL, or ENGLISH BLUE GRASS (Festuca Pratensis). - This should be very Pratensis). — This should be very much more largely used than at present. It makes a very good hay and pasturage grass, and is particularly valuable for fall and winter pasturage, as it remains green throughout the winter. It is very popular in Southwest Virginia, East Tennessee and the mountainous districts of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasturage and hay grass. It succeeds well in nearly all sections of the South, and should be very largely used in pasturage and hay mixtures, being specially suitable for sowing with Red Top and Timothy for hay, or with these and Orchard and Tall Meadow Oat for permanent pasturage. Sow either in the spring or fall at the rate of 2 bushels to the acre. Thrives better under trees than other grasses.

Lb., 20c. 100 Lbs., \$15.00. than other grasses.
Lb., 20c. 100 Lbs., \$15.00.

AWNLESS BROME GRASS (Brom-

MEADOW FESCUE.

AWNLESS BROME GRASS (Bromus Inermis).—Comparatively a new grass in this country, but in Hungary (Europe), its principal home, it is the chief meadow grass of the sandy moorlands. It grows coarse, resembling Orchard Grass; prefers light, dry soil. It roots deeply, and stands protracted droughts well, and will thrive upon soils too poor and dry to grow anything else but broom sedge, hence is valuable for such situations, both for grazing and hay, and especially in mixtures with other grasses. It has, however, been talked up very much in the agricultural press, especially in the West, and is worthy of extended trial. Sow at the rate of from 2 to 3 bushels per acre, when sown by itself, either in the spring or fall.

Lb., 20c. Bus. of 14 Lbs., about \$2.25.

OUR PERMANENT HAY AND PASTURE GRASS

TS prepared especially to meet the demand for a mixture that will be desirable either for cutdesirable either for cut-ting for hay or to use for pasture, and contains such grasses as are best adapted for these pur-poses. In ordering, please state whether you want a mixture for upland or mixture for low ground.

MIXTURE FOR UP-LAND.—14 pounds to the bushel, 2 bushels to the acre

Per Bus., \$2.25, 10 Bus. for \$20.00.

MIXTURE FOR LOW-LAND.—14 pounds to the bushel, 2 bushels to the

Per Bus., \$2,25, Bus. for \$20,00.

KENTUCKY BLUE GRASS .- It is rather sensitive to heat. KENTICKY BLUE GRASS.—It is rather sensitive to heat, but not so to cold weather, and on this account does its best in the fall, winter and spring. It grows slowly at first, forms a very compact turf, making a fine pasturage when once established. It is much the best, however, to combine other grasses with it, for either lawn or pasturage. Sow in the spring or fall. Fancy, triple-cleaned, Bus. (14 Lbs.), \$1.60. 5 Bus., \$7.50.

NOTICE.—Beware of cheap Canada Blue Grass, as it is full of

TALL MEADOW OAT GRASS (Avena Elatior).-Most valu-TALL MEADOW OAT GRASS (Avena Elatior).—Most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle, early and late. For hay it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. Height, 2 to 4 feet. 50 pounds to the acre. (13 pounds to bushel). Lb., 25c. 100 Lbs., \$18.00.



RED TOP, OR HERD'S GRASS (Agrosis Vulgaris). — This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other grass in general use, giving very good results on light soils and the very best results on heavier, moist, or low ground soils. It is rather late in starting in the spring, and matures its crop at the same time as Timothy, Is excellently adapted for seeding with Timothy for hay, and furnishes excellent pasturage afterwards. When it gets well established it will gradually supplant other grasses. The grades of the seed usually sold are the grade in the chaff, known as Prime, and the Fancy Clean seed, which is the seed cleaned from the chaff and all impurities. We would strongly advise our customers to sow the Fancy Clean seed in preference to the Prime, or the seed in the chaff, as it will give much better and more satisfactory results. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about % to 10 pounds to seed an acre of the Fancy Clean Seed, or 3 to 5 bushels of the Prime.

Red Top in the Chaff, per Bus., 6 to 5 bushels of the Prime.

Red Top in the Chaff, per Bus., 75c.

Red Top in the Chaff, per Bus., 75c.

Fancy Clean Seed, 15c. Lb.

SHEEP FESCUE (Festuca Ovina).—It is a densely tufted perennial grass for dry, sandy and rocky soil where scarcely any other species will grow. It roots deeply, and forms a dense, short tuft, suitable for lawns and pleasure grounds, where the soil is sandy. It affords wholesome food for all cattle, especially sheep. Specially recommended for pasturage mixtures. Sow about 25 pounds per acre. Lb. 20c. Bus. of 14 Lbs., \$2.00.

WOOD MEADOW (Pon Nemoralis). — An early nutritive grass; thrives better under trees than other grasses. Is also an excellent pasture grass, Lb., 30c. 10 Lbs., \$2.25.

RHODE ISLAND BENT GRASS (Agrotis Canina).—A very fine variety for lawns, Lb., 25c.

SWEET VERNAL (Anthum Odoratum) .- Emits an agreeable odor, which it imparts to the hay. Lb., 35c.

SERVICE SOFT

Grasses and Clovers.



ORCHARD GRASS

ORCHARD GRASS.

(Dactylis Glomerata.)

NE of the best and most reliable grasses for the Middle and Southern States, either for hay pasturage. It succeeds well on or pasturage. nearly all soils, but does best on upland, loamy or moderately stiff soils. It starts early in the spring and continues well into winter. It is of quick growth and relished by stock, especially when young, and bears close grazing. It makes excellent hay, and gives the very best results mixed and grown with Tall Meadow Oat Grass and Red Clover, as suggested under the head of Tall Meadow Oat Grass. It should be cut when in blossom, as the hay is injured if the seed is allowed to ripen. It can be sown in the spring or fall either with grain or alone. Sow two bushels per acre if sown alone, or with Red Clover, one ard one-half bushels of Orchard and seven pounds of Clover are the quantities usually sown. Price fluctuates.

Per Bus. of 14 Lbs., \$1.50.

MILLET.

GERMAN, OR GOLDEN MILLET.

A N improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. This is the best and most productive Millet to grow. Weight, per bushel, 50 pounds. Market prices.

HUNGARIAN MILLET (Panicum Germanicum).—Early and productive, growing 2 to 3 feet high, with an abundance of foliage and slender heads. Weight, per bushel of 48 pounds. Market prices.

COMMON MILLET.-Weight, per bushel, 50 pounds.

IMPORTANT.—It does not pay the farmer to buy cheap Grass Seeds, as it is liable to be either old seed, or full of weeds.

TIMOTHY (Phleum Pratense).

This makes one of the most popular, nutritious and salable of hay grasses. It is best adapted for sowing on clay or heavy loams, low lands or in mountainous districts, although it will do well on any good stiff loamy soils, provided moisture is abundant. It does not succeed nearly as well, however, as Orchard, Tall Meadow Oat or Herd's Grass on soils of a sandy or light loamy texture, and is not of as much value for pasturage as other grasses. The stand of Timothy will also be injured if grazed or cut too closely. The yield of hay on good ground is from one and a half to three tons per acre. The best clover to sow with Timothy is either the Sapling or Alsike, as they mature and ripen with Timothy. Market prices.

CLOVER

RECLEANED RED CLOVER.

WE take great pains to supply an extra quality of Red Clover at a reasonable price. Farmers should not sow a poor quality of Clover Seed. We have, however, cheaper grades for those who wish them.

Market prices

ALSIKE OR SWEDISH CLOVER.

HARDIEST of all the Clovers, and on rich, moist soils yields an enormous quantity of hay or pasturage. Valuable for sowing with other Clovers or Grasses, as it forms a thick bottom and increases the yield of hay. Sow, either fall or spring, 6 pounds per acre when used alone.

Lb., 18c. By mail, 30c. 6 Lbs., \$1.00.

Lucerne Clover.

One of the most valuable among Clovers, resisting drought and remaining green when other sorts are dried up. Sow on rich, moist loam or sandy soil. Prepare the land thoroughly and sow, either fall or spring, 15 pounds to the

IN QUANTITIES AT MARKET PRICES.



LUCERNE

FINEST IN THE COUNTRY.

Last June you sent me four bushels of German Millet. and I now have five acres of it. Everyone says it is the finest in the country. It is in a low meadow, and the dry weather does not seem to have any effect upon it.

F. A. WELTY,

Emmittsburg, Md.

SEED.

WHITE DUTCH CLOVER.

Thrives most everywhere. The best to sow with lawn grass and valuable to sow with blue grass for permanent pastures.

1/4 Pound			 			10c.
Pound By mail, P	O 11	n d				25c.
100 Pounds	8		٠.	٠.	٠.,	. \$21.00

CRIMSON CLOVER.

SEE PAGE 33.

Grass and Clover Seed Mixtures.

FOR MOWING FOR HAY, BUT CAN BE GRAZED.

MIXTURE No. 1. For Moist Bottom Land.

Composed of the following Grasses:

Red Top. Timothy. Alsike Clover. Meadow Fescue. Red Clover. Kentucky Blue Grass.

Sow 20 pounds to the acre.

Price-\$11.00 Per 100 Pounds.

MIXTURE No. 2. For Light, Dry, Gravelly, or Sandy Soils.

Composed o Orchard Grass. Tall Meadow Oat Grass. Red Clover.

Composed of the following Grasses:
ss. Perennial Rye Grass.
Oat Grass. Hungarian Brome Grass.
Fancy Red Top.

MILLET.

Meadow Fescue.
Sow 35 pounds to the acre.
Price—\$12.00 Per 100 Pounds.

MIXTURE No. 3. For Good Loam Soil.

Meadow Foxtail.
Tall Meadow Oat Grass.
Meadow Fescue.

Composed of the following Grasses:
ail. Orchard Grass.
Det Grass. Perennial Rye Grass.
Kentucky Blue Grass.

Red Clover.

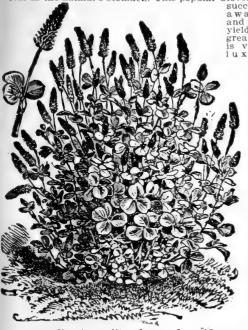
Sow 35 pounds to the acre.

Price—\$12.00 Per 100 Pounds.



RIMSON CLOVER. THE GREAT NITROGEN GATHERER.

THE best crop for Hay, Silage and green manuring—all winter and spring pasturage. For Hay, it must be cut before it comes into full bloom, as otherwise it may cause hair-balls to form in the animal's stomach. This popular Clover Seed is grown



successfully in Del-aware, Maryland and Virginia. The and Virginia. The yield of fodder is great. Its growth is very rapid and luxuriant, and,

therefore, it is valuable as a fertilizer to turn under. It is fast becoming a popular crop in the Middle States and the South and is finding its way into and the West.

It is used an poor and rich land. It is seeded in this seeded in this
country in
June, July, August, September and October, and will
produce an enormous crop early in the following spring, suitable either for consump-tion as green food or for hay. Ten or fifteen pounds should

acre, according to quality of ground. 10c. per Lb. By mail, 20c. Per 100 Lbs., \$6.00.

BEANS.



The Great Drouth-Resisting Forage Crop, Unsurpassed in Nutritive Value for eeding:

Also Makes a Splendid Soii Improver.

> HE DRY BEANS, roasted and ground resempround resemble and taste like coffee, hence it has been advertised as German Coffee Berry. Berry. Itsgreat value, however, is as a forage crop and for fertilizing the soil and for pastur-ing or feeding the green fodder. Sow broad-

cast one - half bushel to the acre, or it may be planted in drills three feet apart and

one foot between plants. Per Bushel. \$1.75.

VELVET BEANS.

VELVET BEANS.

WE strongly recommend our customers to sow this Bean as a soil-improving crop. It costs much less per acre to seed than most any other forage or soil-improving crop grown, and it makes a larger growth and yield of forage than any other yield of its kind. The possibilities of this Bean as a land-improver, and for producing an enormous yield of forage seem almost unlimited. It has now been thoroughly tested in all of the Southern States. The Beans should be planted in May or June. They are usually planted at the rate of one and a-half pecks to the acre, in drills five feet apart. They soon make a rapid growth, covering the ground with a thick mass of lines. Price quoted on request. Per Bushel. \$2.00.

TEOSINTE.

A most valuable and enormous yielding, continuous cutting forage crop. Good to use as green food, and also makes an excellent dry fodder. It branches as many as 50 stalks from one seed. Plant in May or June in rows 3 feet apart by 15 inches; 2 ounces per acre. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

POR YEARS we have taken special care in the selection of various sorts of Grass and Clover Seeds for field culture, at in consequence our trade in this line has rapidly increased Purity of stock and high germinating quality we consider

accontial As we handle very large quantities of these seeds, we are ena-bled to supply the best quality at lowest prices.

COW PEAS.

THE GREAT SOIL ENRICHER. MAKES POOR LAND RICH MAKES GOOD LAND BETTER.

PRICES ON APPLICATION.

BLACK COW PEA .- It is a splendid land improver and most valuable as a forage crop, making an enormous yield of rich, nutritious feed. Sow in May or June at the rate of one and

nutritious feed. Sow in May or June at the rate of one and a-half bushels per acre.

BLACK EYE COW PEA.—The Black Eye Peas are very prolific and bring a good price on our market.

WHIPPOORWILL PEA.—Makes a splendid forage pea. Vines stay green longer than other varieties; pods ripen earlier.

WONDERFIL, OR UNKNOWN.—This makes an enormous and remarkable growth of vines, but requires the full growing season to make its crop. In yield and growth of vines it surpasses any of the varieties of Cow Peas, and it yields very largely of the shelled Peas. This variety should be planted in May in order to come to full maturity.

CANADA FIELD PEAS.

Sown in February, March or April, with a small quantity of oats, they make a large yield of forage. Sow one to one and a-half bushels per acre broadcast with half a bushel of oats. Cut for hay before the Peas mature. Per Peck, 50c. Per Bushel, \$1.60. Write for special prices if a quantity is required.

KAFF1R CORN.

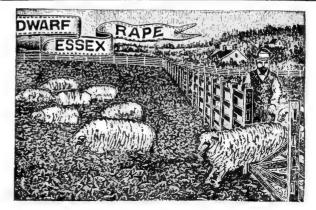
The heads contain small white seeds, which make an excellent flour. They are greedily eaten by horses and cattle, and make excellent feed for poultry, either fed in the grain or ground and cooked. Use four to five pounds to acre.

Lb. 10c. 10 Lbs., 50c. 100 Lbs., \$3.00.

EARLY AMBER SUGAR CANE.

It grows 10 to 12 feet high and yields large crops of fodder, which is relished by all kinds of stock. It will produce two cuttings during the summer. Culture same as Corn. Sow 3 or 4

By mail, 20c. Bus. (56 Lbs.), \$2.75.



DWARF ESSEX RAPE.

It can be sown all through the season, being perfectly hardy, withstands the drought, and will produce a crop in any soil by sowing broadcast at the rate of five pounds to the acre, or in drills or rows two feet apart at the rate of three pounds per acre. It is unequaled as a pasture for sheep, and as a fattening food for all kinds of live stock, it is without a rival. Lb., by mail, 20e. By express, 5 Lbs., 50c. \$7.00 per 100 Lbs. If wanted by mail, add 8c. per pound for postage.

BROOM CORN. (50 Lbs. to Bushel.)

To grow Broom Corn successfully, the ground should be rich and well prepared. Plant seeds in rows * feet apart by 18 inches. The plants should be cultivated as soon as they are out of the ground. Harvesting should be done when the seed is in a soft.

ground, Harvesting should be milky condition.

IMPROVED EVERGREEN.—This is the favorite sort; has a fine brush, yields well, and keeps green. Height, 8 to 9 feet.

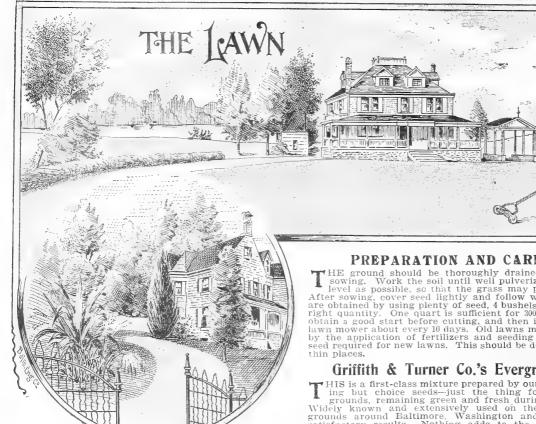
Qt., 20c. Peck, 65c. Bus., \$1.75.

VETCHES, OR TARES.

VETCHES, OR TARES.

SPRING VETCHES (Vicia Sativa.)—Closely associated with Peas in character. Highly valuable for soiling or for green manuring. Sometimes grown with oats, for mowing and feeding to stock. Use two to three bushels to the acre. Sow in spring, while ground is cool and moist, or in early autumn. Bushel of 60 pounds. Write for prices.

WINTER VETCHES (Vicia Villiosa).—Also called Sand Vetch, or Hairy Vetch. Recommended for fall sowing with rye as in many localities in the North it is hardy, remaining green all winter. A valuable food for stock in early spring. Use one to two bushels per acre. Bushel of 60 pounds. Write for prices.



OUR LAWN GRASS SHOULD NOT BE CONFOUNDED WITH THE CHEAP, CHAFFY GRASSES OFFERED AT LESS PRICES,

Park Lawn Grass.

THIS mixture does not contain so much of the high-priced grasses as our Evergreen Lawn Grass, but it is superior to many of the cheap grades offered, and will make a very nice lawn.

Quar	ıt.														20c.
Peck															\$1.00
Bus.	0	ľ	1	6	I.	∡lh	2	۰	٠	-			,		3.00

PREPARATION AND CARE OF LAWNS.

THE ground should be thoroughly drained and well enriched before sowing. Work the soil until well pulverized, and have the surface as level as possible, so that the grass may present an even appearance. After sowing, cover seed lightly and follow with roller. The best results are obtained by using plenty of seed, 4 bushels to the acre being about the right quantity. One quart is sufficient for 300 square feet. Let the grass obtain a good start before cutting, and then it should be trimmed with a lawn mower about every 10 days. Old lawns may be improved and renewed by the application of fertilizers and seeding about half the quantity of seed required for new lawns. This should be done whenever they show any thin places.

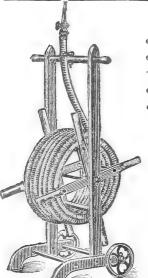
Griffith & Turner Co.'s Evergreen Lawn Grass.

THIS is a first-class mixture prepared by ourselves, and containing nothing but choice seeds—just the thing for tennis, croquet and ball grounds, remaining green and fresh during the hot summer months. Widely known and extensively used on the finest private and public grounds around Baltimore, Washington and elsewhere with the most satisfactory results. Nothing adds to the attractiveness of suburban homes more than a well-kept, closely-cut, velvety lawn; hence the importance of securing the best seeds. This we offer in our selected Evergreen Lawn Mixture, containing different varieties that grow and flourish at different months of the year, so that a rich, green, velvety lawn is constantly maintained. It is adapted to the small grass plots of city homes. Pint, 10c. Quart, 20c. 1/2 Peck, 65c. Peck, \$1.10. Bus. of 20 Lbs., \$4.

WHITE DUTCH CLOVER. (Trifolium Repens.)

THE best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seeds for pasture. Sow in spring at the rate of 6 pounds per acre when sown alone, half the quantity when sown with other grasses.

Pound, 25c. 10 Pounds, \$2.25.



HOSE REELS.

RUBBER HOSE.

$_{ m GR}$		H & TU										r Foo
	3-ply,	3/4-inch.	in 2	5 and	50-foot	lengths		 				32c.
0 R	JOLE-		in 9	5 and	50-foot	lengths						10e.
TR	-ZI											
CB	EST-					lengths						
CIT	4-ply,		in 2	5 and	50-foot	lengths		 		٠	* .*	15c.
Crit	5-ply,	34-inch,	in 2	5 and See	50-foot also 1	lengths P age 11	3.	 				16e.

GEM HOSE NOZZLES, 35c. The Best In Use.

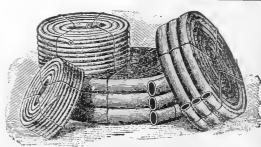
For throwing fine or coarse spray or straight

Hose Couplers (Brass) 15c. per pair. Mender Tubes 5c. each, 40c. dozen. Hose Clamp (Sherman) . . 5c. each, 50c. dozen.

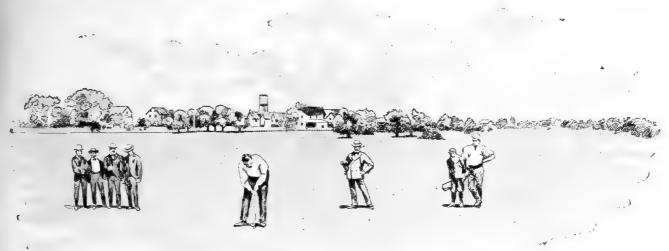
For Lawn Sprinklers, See Page 35.

HOSE REELS.









Griffith & Turner Co.'s Golf Link Mixture.

Bus., \$2.50.

HERE being a growing demand for a grass mixture sult-

HERE being a growing demand for a grass mixture sultable for golf and cricket grounds, we have made a study of the grasses best adapted to these purposes, and have them mixed in proper proportions to give desired results.

Many of the public and private grounds around Baltimore and other places have been sown with our mixtures, and the grounds have won the admiration of thousands of visitors. As it is highly essential that golf and cricket grounds should be mowed closer than ordinary lawns, we have illustrated and described our GOLF MOWER (see page 73), designed especially for the purpose. It insures a fine, close, even cut.

ECLIPSE SPRINKLER.

This is the cheapest and one of the most effective sprinklers nade. The distribution of water is perfect.

Price, 20c. By mail, 30c.

PLANT SPRINKLERS, ATOMIZERS AND SYRINGES.

SEE PAGES 56 and 71.

Putting Green Mixture, Peck, \$1.10. Bus., \$4.00. "Terrace Sod" Mixture.

SPECIAL mixture.

A SPECIAL mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season.

PRICE—Qt., 35c. Peck. \$2.00. Bus. of 20 Lbs., \$7.00. If by mail, add at the rate of 5c. Qt., for postage.

LYONS' AUTOMATIC LAWN FEEDER.

T is a neat device attached to the hose nozzle, which dissolves a stick of concentrated fertilizer, diffusing it through as much water as will pass through garden hose in about one hour. Complete outfit, consisting of one holder and 12 of the food cartidges, prepaid, to any address on receipt of 75c.

EXTRA FOOD CARTRIDGES, in boxes of 24, for 50c., or,

prepaid, for 75c.

Hose and Hose Reels. SEE PAGES 34 and 118.

Twemlow's Old English Glazing Putty. SEMI-LIQUID. 16-pound Can (1 Gallon capacity), \$1.25. 50-pound and 80 pound Kits, \$3.75 and \$6.00. For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses of hotbeds.

RUSSIAN SUNFLOWER.

Growing to double Growing to double the size of the common Sunflower, and the yield of seed is twice as great. It is highly recommended for poultry—the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock.

Lb., 10c.; by mail, 18c. 4 Lbs., 25c. 10 Lbs., 50c



Crescent Lawn Sprinkler WORKS BEAUTIFULLY. HIS Sprinkler is compactly and strongly

THIS Sprinkler is compactly and strongly made with phosphor bronze bearing, and will cover a surface 48 feet in diameter. As it has a free and unobstructed channel, there is no danger of clogging with dirty water, and therefore it fills the requirements of users of such articles better than the more expensive and larger sprinklers, and will accomplish the same results. The top and arms are brass, full nickelplated standard; the base and legs are iron, handsomely japanned.

PRICE.

12 inches high . . . 3 arms. **\$1.50.**

24 inches high. . . 4 arms, \$2.00.

36 inches high...4 arms, \$2.50.

FLAX SEED.

Lb., 10c. 5 Lbs., 25c. Bus., \$2.00.

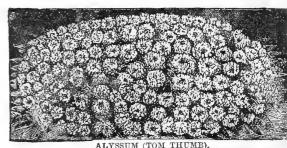
FLAX SEED WEAL.

For horses and cattle.
Lb., 10c. 6 Lbs., 25c.
In quantities at market prices.



Ten 5c. Papers for 25c., or Four 10c. Papers for 25c.

- o. ABUTILON.-Fine mixed. Packet, loc.
- AGERATUM, MIXED.—Suitable for beds, and especially nice for cut flowers and bouquets. Packet, 5c.



0. ALYSSUM.—The Sweet Alyssum has pretty little white flowers, useful in making small bouquets, and its fragrance, while sufficiently pronounced, is very delicate. The Alyssum grows freely from seed; blooms the whole season.

Oz. 25c. Packet, 5c.

ALYSSUM (Tom Thumb).-Of dwarf, compact habit, each plant covering a circle from 15 to 30 inches. It will bloom when small and remain covered with bloom from spring to autumu. Oz. 10c. Packet, 5c.

o. AMARANTHUS, MIXED.—Showy blooming plants, with long racemes of curious looking flowers and brilliant foliage; half hardy annuals. Packet, 5c.

1. AMARANTHUS, TRI-COLOR (Joseph's Coat).—Red, Yellow and Green folliage; 2 feet. Packet, 5c.

AMARANTHUS CAUDATUS (Love Lies Bleeding). Graceful and handsome flowers of blood red hue. Packet, 5c.

3. AMPELOPSIS VEITCHII, Miniature Virginia Creeper, Boston or Japanese Ivy.—A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn. The best and most popular climber for covering brick or stone walls.

Packet, 5c. Oz., 25c.

4. ANTIRRHINUM, DOUBLE MIXED.—One of our most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial.

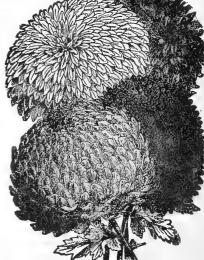
Packet, 5c.

5. ASTER.—Choice mixed varieties. Well-known and beautiful flowers; should be in every garden. Packet, 5c.

26. ASTER, GERMAN.—All colors and shades of the best German sorts. Sow Seed early and transplant to rich soil. Packet, 5c.

27. ASTER, TRUFFAUT'S PERFECTION.—A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florist's preference; 1½ to 2 feet.

Packet, 10c.



PRINCESS SNOWBA



LOVE LIES BLEEDING.

VICTORIA ASTER.

clude many extremely delicate and gorgeous shades. Very double and four inches across; height 15 to 18 inches.

Packet, 10c.

COMET ASTER .- This class of Asil. COMET ASTER.—This class of Asters have long, slender and curled petals, forming loose yet dense flowers of semiglobe shape, 3% to 4% inches in diameter, which resemble the Japanese Chrysanthemum, Packet, 10c.

2. DWARF CHRYSANTHEMUM FLOWERED ASTER.—Grow 9 inches high; surpass all the dwarf varieties in size of flowers. Packet, 10c.



COMET ASTER

LAWN MOWERS REPAIRED.

or FOUR IOc. PAPERS FOR 25c. TEN 5c. PAPERS

- 33, SEMPLE'S BRANCHING ASTER. A choice strain of American-grown Asters, which has, by careful selection, been brought to a high degree of excel-lence. Mixed Colors, 10c.
- SEMPLE'S BRANCHING ASTER (White).—Very choice. Packet, 10c.
- BACHELOR'S BUTTON, or BLUE BACHELOR'S BUTTON, or BLUE
 BOTTLE (Ceutaurea Cyanus).—A very
 old favorite garden annual, with handsome flowers of various colors. It does
 best if sown in a hot-bed; half-hardy
 annuals; two feet. Packet, 5c.
- 40. DOUBLE BALSAMS, CAMELIA FLOWERED (Lady Slipper, or Forget-Me-Not).—The well-known Balsams are one of the finest summer blooming annuals, free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double. more double.

 Packet, 5c.
- 41, BALSAM, PERFECTION WHITE. 1. BALSAM, PERFECTION WHITE.
 This resembles the mixed Balsams in shape, but the flowers are of a pure white, and is the variety usually grown by florists. Packet, 10c.

 5. CANDYTUFT MIXED.—Wellknown favorite, hardy annuals; very pretty in beds or masses; useful for bouquets. Seeds may be sown in the fall for early flowering.
- for early flowering.
 - Packet, 5c.
- 6. CANDYTUFT, WHITE.—Treated and used same as the mixed. Packet, 5c.
- 50. CALCEOLARIA DWARF. This is a magnificent ornamental plant for green-house or conservatory, bearing in profusion pocket-shaped flowers of all colors. spotted and blotched in the most fanciful fashion.

 Packet, 25c.
- 3. CALENDULA, DOUBLE.—Very profuse dwarf bushy annuals, blooming continuously and profusely until frost; of easy culture, and suitable for summer garden or for growing in pots in winter.

 Packet, 5c.
- **55.** CANNA, MIXED (Extra Choice).—The Cannas are desirable not only for the beauty of their spikes of scarlet flowers, but for their highly ornamental leaves. They make superb beds for the lawn. Soak the seeds thoroughly before planting, and keep in a warm spot-Very slow to germinate. **Packet**, **5c.**
- o. CANTERBURY BELLS, SINGLE MIXED (Campanula).—A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders. Sow early, and transplant in light, rich soil. Packet, 5c.
- 61. CANTERBURY BELLS, DOUBLE MIXED. Packet, 5c.

CARNATION .- (See Pinks).

CASTOR OIL BEAN SEE RICINUS.

- 38a. CENTAUREA GYMNOCARPA Fine cut silver-gray foliage; 11/2 feet. Packet, 5c. 1-4 oz. 25c.
- 68. CENTAUREA CANDIDISSIMA Silver white; leaves broadly cut. Packet, 5c. 1-4 oz. 25c.



40.-DOUBLE BALSAMS,



33.-SEMPLE'S BRANCHING.

85. COCKSCOMB.

- 69. CENTROSEMA GRANDIFLORA. A perfectly hardy perennial vine of rare beauty, which blooms in July from seed sown in April, and bears in great profu-sion inverted pea-shaped flowers of vari-ous colors. Packet, 5c.
- 70. CHRYSANTHEMUMS, SINGLE, MIXED. Showy and effective garder favorites extensively grown for cut flowers. The hardy annuals are summer flowering border plants; good for pot culture and quite distinct from the autumn flowering varieties.

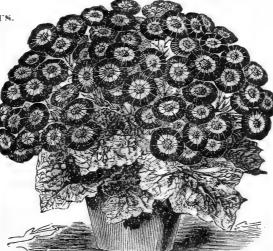
 Packet, 5c.
- 1. CHRYSANTHEMUM FRUTES-CENS (The Marguerite, or Paris Daisy).—Immense quantities are grown by French florists, and find a ready sale. It produces freely its white star-like flowers under the most favorable condi-tions. Packet, 10c.
- 5. CINERARIA (Dusty Miller). Fine for bedding, ribbon beds and margins; prized for their beautiful downy silvery foliage; half hardy perennials; two feet. Packet, 5c.
- 76. CINERARIA HYBRIDA. Large flowered prize varieties; very attractive, free blooming plants, producing large and brillant flowers.

 Packet, 25c. 5 for \$1.00.
- CINERARIA HYBRIDADWARF —Large flowered, dwarf prize varieties splendid strain.

 Packet, 25c. 5 for \$1.00.
- CLARKIA, MIXED.—An old favorite hardy annus, plant, growing in any garden soil, and producing freely its cheerful flowers early in the season; 1¼ feet. Packet, 5c.
- 5. COCKSCOMBS (Celosia Cristata).—Very popular annuals of the easiest culture, highly ornamental for decoration of the green-house, drawing-room and garden. Half hardy annuals.

 Packet, 5c.
- 6. COCKSCOMBS, GLASGOW PRIZE. -- Immense showy dark crimson combs. 10c.
- 88. COWSLIP.-Packet, 10c.
- 9. COLEUS.—Very choice plants with richly colored foliage of maroon, green, crimson, yellow, etc. Packet, 25c.
- Morning Glory).—A heautiful class of hardy annuals, affording a large, showy mass of flowers from July to October. Packet, 5c.
- COREOPSIS (Calliopsis).-Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom.
- COREOPSIS LANCEOLATA-IMPROVED (California Sunbeams).—This is one of the finest of hardy plants, with large, showy, bright goden-yellow flowers, freely produced on long stalks, from June till frost; excellent for cutting and the produced on the produced on the control of the produced on long stalks, from June till frost; excellent for cutting and the produced any situation. will thrive in almost any situation.

Packet, 5c. 1-4 oz. 40c.



76.—CINERARIA HYBRIDA.



50.-CALCEOLARIA, DWARF.

SELEC TEN 5c. papers mailed for 25c. or FOUR 10c. papers for 25c.

COSMOS.

Large flowering. Sow early in spring, and trans-plant when danger from frost is past. The flowers frost is past. The flowers are borne profusely, and present a charming appearance when in full bloom, being covered through the autumn months with hundreds of showy blossoms. They are very easily raised and make a grand display.

94. TINTS OF DAWN
COSMOS.—This new variety comes into full
bloom in July, and continues a mass of bloom
until cut down by severe frost. In addition to this, it is of dwarf growth, and large flow-

ers.
Pkt. 10c. 1-4 oz. 50c.
95. COSMOS, Mixed.—5c.
1-4 oz. 20c. 0z. 50c.
95a. COSMOS, Pink.—5c.
95b. COSMOS, White.—5c.
95c. COSMOS, Crimson.—5c.

NEW MARGUERITE COSMOS .- One of the prettiest and daintiest varieties imaginable. Packet, 10c.
6. CYCLAMEN-PERSICUM-GIGANTEUM, MIXED.-Charm-

96. CYCLAMEN—PÉRSICUM—GIGANTEUM, MIXED.—Chart ing plants with beaut ful foliage and rich colored fragrant flowers.
Packet, 25c, 5 for \$1.00.

97. DAISY, MIXED.—Well-known favorites, admirably adapted for edgings, borders and low beds, and it is also suited for growing in pots. Although they are perenniais, they will flower the same season if seed is sown early in the house.
Packet, 10c.
98. DAISY, LONGFELLOW.—This is a very pretty, large, double-pink variety.
Packet, 10c.
99. DAISY, SNOWBALL.—An unusually

99. DAISY, SNOWBALL.—An unusually large-flowered variety, and produces very double, pure white flowers.

Packet, 10c.

DAHLIA.

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous-rooted, half-hardy perennials; blooming the first year from seed, if sown early.

100. SINGLE MIXED.—Large, showy single flowers. Packet, 5c.

100a. CACTUS DAHLIA .- A most curious and desirable variety of many colors.

Packet, 5c.

Packet, 5c.

DIANTHUS.—(See Pinks).

100½. DIANTHUS—ORIENTAL BEAUTIES.—A magnificent strain of new largeflowering Dianthus from Japan. The colorings and markings are rich beyond description; very dainty and pretty with their
charming ruffles and frills. Hardy and perpetual bloomers. Packet, 10c.

101. ETERNAL FLOWER (Helichrysum).—These are very popular and desir.

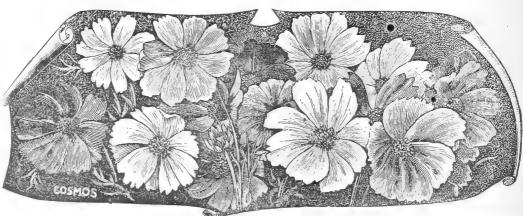
101. ETERNAL FLOWER (Helichrysum).—These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches, and dried in the shade with their heads downward. Packet, 5c.
103. FEVERFEW (GOLDEN FEATH-ER) (Pyrothum Apparent).

ER) (Pyrethum Aureum).—A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; 1½ feet. Packet, 5c.

FORGET-ME-NOT 105. (Myosotis) .-Neat and beautiful little plants, with star-like flowers, succeeding best in a shady, moist situation; balf-hardy perennials; blooming the first year from seed, if sown early. Packet, 5c.

106. FOXGLOVE (Digitalis).—A handsome and highly ornamental, hardy perennial plant of stately growth; fine for shruberies and other half-hardy places; 3 feet.
107. GERANIUM (New Zonale).—A grand strain of Geraniums, containing all shades of colors. Packet, 10c.

108. GODETIA - Finest Mixed. - Fines profuse blooming hardy annuals. Packet, 5c.



109. GAILLARDIA.—Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals.

sion of bloom the entire summer and autumn.

Packet, 5c.

110. GILIA. MIXED.—Very pretty dwarf plants, early, free blooming, fine for massing and reck work. Hardy annuals.

Packet, 5c.

111. GLOXINIA.—Large flowering, choice mixed. Produces in great profusion large bell-shaped flowers of the richest variety of colors.

Packet, 25c.

112. HELIOTROPE.—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; half-hardy annuals. Packet, 5c.

HOLLYHOCK, CHATERS PERB MIXED.—This is one of the oldest inhabitants of our gardens; now ranks as one of the finest autumn flowers.

Packet, 5c.

16. HOLLYHOCK, CHATERS DOUBLE WHITE.—Largely used by florists. Packet, 10c.

119. LANTANNA.—Of compact growth, and very profuse bloomers.

Packet, 5c.

120. LARKSPUR (Delphinum).—One of our most showy and useful plants, possessing almost every requisite for adornment of the garden. Packet, 5c.

121. LARKSPUR EMPEROR.metrical bushy habit, with a profusion of brilliant dark-blue, red-striped and tri-colored flowers. **Packet, 5c.**



A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits, (frows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers. Annuals.

122. MIXED VARIETIES.—5c.

123. CRYSTAL PALACE COMPACTA.-Rich deep blue. The finest for bedding. Packet, 10c.

125. MARIGOLD, DOUBLE AFRICAN.

—A well-known free-flowering plant, of easy culture, with rich and beautiful double various-colored flowers.

Packet, 5c.

Packet, 5c.

26. MARIGOLD, DOUBLE FRENCH.
Of compact habit, with numerous bright, showy flowers. Very fine. Packet, 5c.

30. MARVEL OF PERU, or FOUR O'CLOCK (Mirabilis Jalapa).—Very pretty annual of vigorous growth. The flowers are brilliant, singularly mixed and varied on the same plant. 2 feet.

Packet, 5c.

131. MATTHIOLA BICORNIS. — Very fragrant at night. Packet, 5c.

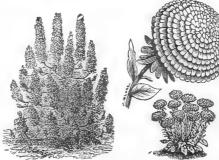
133. MESEMBRYANTHEMUM CHRYS-TALINUM (Ice Plant).—Dwarf spreading plants of great beauty, blooming the entire summer, succeeding best in dry. sandy or loamy soil, and in a warm locality. It belongs to the half-hardy annuals. Packet. 5c.





Helitrope.

Four O'clock.



Larkspur.

Marigold.

5c. PAPERS MAILED FOR 25c., OR FOUR 10c. PAPERS F

134. MIMULUS .- The beautiful Monkey Flower. Pkt., 5c.

Mignonette

(SELECTED STOCK).

135. MIGNONETTE-SWEET (Reseda Odorata.)—A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annuals. Pkt., 5c. 0z., 15c.

for growing. Hardy annuals. Pkt., 3e. 02., 13c.

136. MIGNONETTE — PYRAMIDAL.—(Large flowered.)—The largest flowered of all Mignonettes. Annual. Pkt., 5c. 0z., 15c.

137. MACHET MIGNONETTE.—Well adapted for pot culture; dwarf pyramidal growth; bearing numerous flower stalks; one of the best.

Pkt., 10c. 1/4 0z., 20c. 0z., 50c.

MIGNONETTE VICTORIA -- A splendid new, compact-growing variety of dense pyramidal habit, growing about six inches high. The flowers are of a brilliant red, and are suitable for pot or

are of a brilliant red, and are suitable for pot or garden. Pkt., 10c.

130. ALLEY'S DEFIANCE. — When grown under favorable conditions and with proper care spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant; much more so than any other variety.

Pkt., 10c. 1/4 Oz., 25c. Oz., 75c.

140. GOLDEN MACHET MIGNONETTE.—Distinct new variety of the well-known Machet, of the same compact and robust habit, but differing from the type by its massive spikes of golden-yellow blossoms.

Pkt., 5c. 1/4 Oz., 20c. Oz., 50c.

OXALIS

153. OXALIS.—Pretty little half-trailing annuals for hanging baskets. Mixed annual sorts. Pkt., 10c.

Nasturtium

142. DWARF MIXED .- The dwarf variety of 142. DWARF MINED.—The dwarf variety of Nasturtium is among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom; mixed colors, Pkt., 5e. Oz., 10e.

143. DWARF NASTURTIUM — AURORA. —
Blush white and salmon, blotched with garnet.
Pkt., 5c. Oz., 15c.

144. DWARF NASTURTIUM - BEAUTY. -Bright scarlet, striped with yellow. Pkt., 5e. Oz., 15e.

145. DWARF NASTURTIUM (Empress of India).—Very dark foliage, with deep crimson flowers. Pkt., 5c. Oz., 25c.

146, DWARF NASTURTIUM (Golden King). Brilliant yellow. Pkt., 5c. Gz., 15c.

147. DWARF NASTURTIUM (King of Tom Thumbs).—Brilliant yellow flowers, blotched with maroon, measuring three inches across.

Pkt., 5e. Oz., 15e.

DEFIANCE 148. DWARF NASTURTIUM (Ruby King).—MIGNONETTE. Light ruby red. Pkt., 5c. 0z., 15c.

149. DWARF NASTURTIUM (Cloth of Gold).—Golden yellow foliage, light scarlet flowers. Pkt., 5c. 0z., 20c.

150. KING THEODORE-DWARF.-Black-brown foliage. Pkt., 5c. Oz., 15c.

151. CRYSTAL PALACE GEM.—Sulphur, maroon spot. Pkt., 5c. Oz., 15c.

TALL NASTURTIUM.-(See 310.)

158. - PANSY.

(Bugnot's Exhibition.)

CELEBRATED strain of extra A CELEBRATED strain of extra-large size, beautiful colors, with handsome broad blotches, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which, with light penciling and blotches, make a magnificent flower. They are a small seeder magnificent small seeder. Pkt., 25c.

155. PANSY HEARTSEASE.

Choice mixed. An old but universally admired plant, producing an endless variety of color, marking and texture. They may be treated as annuals, as they flower the first season from seed; 6 inches.

Pkt., 5e. 1/8 0z., 35e.

PANSY, G. & T. CO.'S EXTRA MIXED.

This mixture, containing the finest blotched varieties, is grown and selected with special care, and has given the most satisfactory results to both florists and amateurs for the past two years. Pkt., 15c. Two Pkts., 25c. 1/8 Oz., 60c.





Pkt., 10c. 1/8 0z., 40c.

Pkt., 10c. 1/8 0z., 40c.

NASTURTIUM.

161. GIANT LORD BEACONSFIELD.

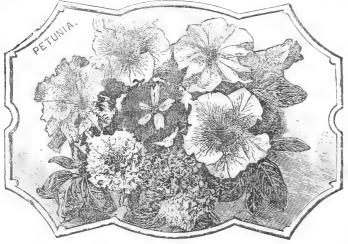
Deep violet, shading to white.

162. GIANT SILVER-EDGED.

163. GIANT YELLOW GEM .- Pure yellow, without eye. Pkt., 10c. 1/8 Oz., 40c.



THE BEST FLOWER SEEDS.



181. PINK, CAR-NATION (Riviera Market, or Gillaud) .- This is the only variety that will produce yellow flowers the first season. The mixture we offer contains a magnificent variety of colors and shades, having among them flowers of canary yellow, and also striped yellow. They will thrive either in open ground or pots. Pkt. 25 cents.

Ten 5c. Papers, mailed, for 25c., of Four 10c. Papers for 25c.



PINK-CHINA.

PASSION FLOWER (Southern Beauty).—A most interesting and well-known order of climbers, bearing singularly beau-Packet, 10 cents.

Petunias

hardy perennials, succeeding well-lin any rich soil. For the brilliancy and variety of the colors and the long duration of their blooming period, they are indispensable in any garden.

Packet, 5 cents.

SINGLE-FRINGED MIXED PETUNIA .- Large flowers, four to five inches across, of every hue, each flower being beautifully e a ch flower being beautif fringed. Packet, 25 cents.

167. DOUBLE PETUNIA .- About 30 per cent. will produce do flowers. Packet, 25 cents.

168. PETUNIA — Double-Fringed Mixed.—The flowers of this sort being double, together with being fringed, are very beau-tiful. Packet, 25 cents.

PHLOX DRUMMONDII

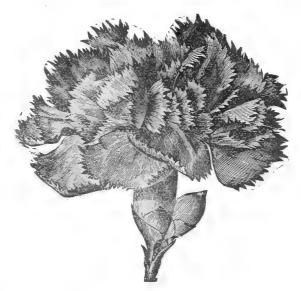
175. PHLOX DRUMMONDII.-75. PHLOX DRUMHONDII.—A most brilliant and beautiful hardy annual, about one foot high, well adapted for bedding, making a dazzling show through the whole season. It succeeds well on almost any soil.

Packet, 5 cents.

176. PHLOX DRUMMONDIL (Nana Compacta).—Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants; also excellent for ribbon lines and massing.

Packet, 10 cents.

80. PINK—CARNATION, or PICOTEE.—Choicest Double Mixed (Dianthus Caryophylus).—Carnation and Picotee Pinks are generally favorites for their delicious fragrance, richness of colors and profuse bloom. Perennial, Packet, 10 cents.



Carnation

182. PINK-CARNATION 52. FINH—UARNATION (Marguerite).—Will produce flowers in a few weeks from seed. Profuse bloomers, producing very double flowers of all shades of red, pink, white and variegated Will bloom all summer until frost or indoors in winter in page. or indoors in winter in pots.

Packet, 10 cents.

PINK - CHINA (Dianthus S5. PIVA — CHINA (Dianting Chinensis).—Free bloomers, and a general favorite for bouquets also a useful bedding plant.

Packet, 5 cents.

SS. PINK — HEDDEWIGH.—
Beautiful double flowers in a great variety of colors, with fringed white edges.

Packet, 5 cents.

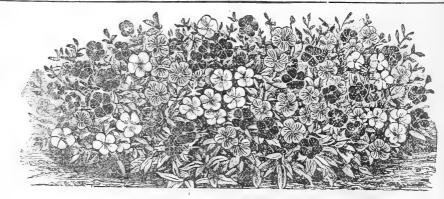
89. PINK — JAPAN. — Beautifur double flowers, mixed, of various colors, with the outer edges fringed and nearly white.

Packet, 10 cents.

195. PORTULACA (Mexican 95. PORTILACA (Mexican Rose).—One of our finest hardy annual plants, of easy culture, thriving best in rather rich, light loam or sandy soil; the single-flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds or edgings of rock work. of rock work.

Packet, 5 cents.

196. DOUBLE PORTULACA. Packet, 10 cents.



A BED OF PHLOX DRUMMONDII GRANDIFLORA, MIXED.

Che Best Flower Seed

Ten 5c. Papers Mailed for 25c., or Four 10c. Papers

A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil.

Packet. 5c.

201. POPPY-PEONY FLOWERED.-A magnificent species, large, showy, double globular flowers, resembling Peonies in

Packet, 5c.

202. SHIRLEY POPPY.—These beautiful Poppies are generally single or semi-double. The colors, extending from one extreme to the other, are so varied that scarcely two are alike, while many are striped and blotched. The blooms, if cut when young, will stand for two or three dars days.

Packet, 5c.

203. TULIP POPPY.—A magnificent species from Armenia. The plants attain a height of 14 to 16 inches, and produce from about 50 to 60 flowers of the brightest scarlet.

Packet, 5c.

204. ICELAND POPPIES, MINED.—Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The fragrant, elegant, crashed satin-like flowers are produced in never-ceasing succession from the beginning of June to October.

Packet, 5c.

205. POPPY—IRRESISTIBLE.—A rare and beautiful Poppy, with immense flowers. Color, an exquisite rose.

Packet, 5c.

210. ENGLISH PRIMROSE (Primula Vulgaris).—No collection of spring flowers is complete without a few of these charming little plants. A little covering in the late fall will protect them from the severe weather of winter, and the great number of flowers produced will more than repay you the extra trouble. They are not as generally grown as they should be.

Packet, 10c.

CHINESE PRIMROSE (Primula Fringed.—This variety is much prettier than the English, being fringed and of the most beautiful colors. They differ from each other like the double and single Pe-



TULIP POPPY.

Ornamental plants of stately growth and picturesque foliage; fine for lawns, massing or center plants for ribbon beds; halfhardy annuals.

Packet, 5c.

RICINUS ZANZIBARIENSIS, MIXED.—Their immense leaves and gigantic plants exceed all other varieties.

Packet. 5c.

SCABIOSA - GRANDIFLORA. wonderful improvement over the old variety; bears beautifully formed flowers three inches in diameter.

Packet, 10c.

215. SCARLET SAGE (Salvia Splendens).—A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial, blooming the first year from seed. Three feet.

Packet, 5c. 1-4 oz., 75c. --(---)--

216. SCARLET SAGE—CLARA BED-MAN (Bonfire).—The finest Salvia ever introduced.

Packet, 5c. 1-4 oz., 75c.



CHINESE PRIMROSE.

220. SENSITIVE PLANT (Mimosa).-Curious and interesting plants, with pink-ish-white flowers; the leaves close in and droop when touched or shaken; tender annual.

Packet, 5c.

SNAP DRAGON.-See Antirrhinum.

Packet, 5c.

230. TEN WEEKS' STOCKS (Gilliflower).—A world-wide favorite, brilliant and varied in color, equally well adapted for massing, bedding, edging or pot culture. Very profuse bloomers. Should be grown in rich soil.

Packet, 5c.

231. STOCKS—SNOWFLAKE IM-PROVED.—A beautiful dwarf-growing variety: very large, double, snow-white flowers. Our seed of this variety is grown by a specialist, and will produce a large percentage of double flowers. Packet, 10c.

SWEET WILLIAM.

235. SUNFLOWER (Helianthus). - Re markable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry.

Packet, 5c.

237. SWEET ROCKET (Hesperis). Very pleasing, early spring flowering, pro-fuse blooming plants, with fragrant flow-ers, growing freely in any light, rich soil Packet, 5c.

SWEET WILLIAM (Dianthus Barbatus).—A well-known, free-flower ing popular favorite; the great improve ments upon the old varieties made withit the last few years have rendered it stil more desirable. Hardy perennial.

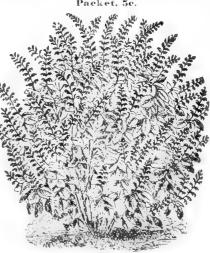
Pact et. 5c.

243. SWEET VIOLET.—Deservedly mucr in demand, because of their profusion of bloom and delicate, sweet odor.

Packet, 10c.

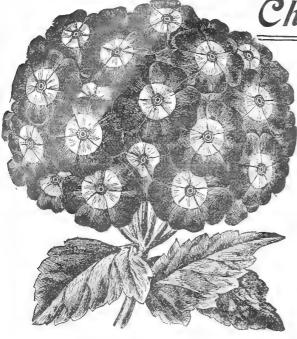
244. TORENIA.—Charming plants for pot-culture, vases or hanging baskets. They succeed well also in the open ground in summer, and are very attractive in beds or masses.

Packet, 5c.



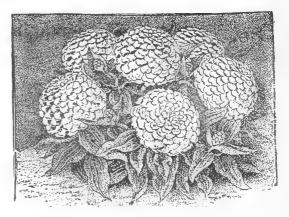
SCARLET SAGE.

Choice Flower Seeds Ten 5c, Papers mailed for 25c, or Four 10c, Papers for 25c.



MAMMOTH VERBENA.

- 245. MAMMOTH VERBENA. -One of the most popular and useful bedding plants. Verbenas delight in sunny situation, rich soil and thorough cultivation. Packet, 5c. Oz., \$1.00.
- 7. VINCA.—Small bushy plants, producing in quantities round single flowers the first season, if sown early. They may be potted and kept all winter.
- 250. VINCA ROSA .- Rose with dark eye. Packet, 5c.



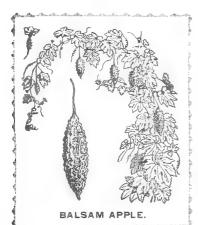
ZINNIAS:

- 251. VINCA ALBA .- White, with crimson eye. Packet, 5c.
- 255. WALLFLOWER, DOUBLE. Well-known, deliciously fragrant plants, with large spikes of double flowers, similar to the Gilliflower. Succeed in light, rich soil, in a moist atmosphere. Perennials. Packet, 10c.
- 258. ZINNIA ELEGANS (Youth and Old Age). most brilliant of annuals, and has long been a general favorite. The flowers are large, finely formed, in great variety of colors, and continue to bloom the entire season. Half-hardy annuals. Packet, 5c.
- D. ZINNIAS CURLED AND CRESTED.— New, odd and superb. Petals twisted, curled and crested into fantastic contortions and graceful forms. A magnificent variety of colors. Packet, 5c.
- ZINNIA-DOUBLE POMPON.-Long cone-shaped flowers, very fine, Packet, 5c.
- 261. ZINNIA-ZEBRA FLOWERED.-Packet 5c.

General List of Climbers.

- 270. BALSAM APPLE (Momordica). -- Very curious trailing vines, with ornamental foliage, fruit golden yellow; when ripe, opens, showing the seeds and its brilliant carmine interior.
- Packet, 5c. Oz., \$1.00.
- 2. BALLOON VINE (Love in a Puff). A rapid growing plant; succeeds best in a light soil and warm situation; flowers white; half-hardy annual. Packet, 5c.
- 275. CANARY BIRD FLOWER (Peregrinum).— With yellow, canary-like flowers; very ornamental and beautiful foliage; half-hardy annual. Packet, 5c.
- 276. COBEA SCANDENS. A beautiful, rapid growing climber, with handsome foliage and large bell-shaped flowers; blue; half-hardy perennial; grows twenty to thirty feet high.

 Packet, 10c. 0z. 40c.



- 278. CYPRESS VINE, RED (Ipomea Quamoclit). our most popular vines, with very delicate, fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow last of May; fifteen feet. Packet, 5c.
- 279. CYPRESS VINE, WHITE. -- Usually grown with the red, making a handsome effect. Packet, 5c.
- 282. MAURANDIA (Barclayana). -- These charming climbers cannot be too highly praised for their beautiful flowers and foliage; they are admirably adapted for hanging baskets, vases or trellis work. Packet, 5c.
- 5. MIXED GOURD (Cucurbita).— Rapid growing, interesting plants, with ornamental foliage and varieties of singular shaped fruit; annual. Packet, 5c.
- 286. NEST EGG GOURD.—White fruit, shaped like an egg. Used as a substitute for nest eggs. Packet, 5c
- 287. DISH CLOTH GOURD.-Packet, 5c.
- 288. DIPPER GOURD .- Packet. 5c.
- 290. MOCK ORANGE.-Fruit shaped like an orange. Packet, 5c.
- 295. HEAVENLY BLUE IPOMEA.—The flowers are in large airy clusters and of that lovely blue so rarely seen. Flowers four to five inches across. Packet, 5c.



MIXED GOURDS.

CHOICE FLOWER SEEDS

CLIMBERS

MORNING GLORY (Convolvulus Major) .- One of the most free flowering and rapidly growing plants in cultivation, thriving in almost any situation. The beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals. Packet, 5c.

301. NEW BRAZILIAN MORNING GLORY.-Packet, 5c.

302. GIANT JAPANESE MORNING GLORY .- This plant has been de-302. GIANT JAPANESE MORNING GLORY.—This plant has been developed to such a state of perfection that it now produces flowers of immense size and almost endless variety of color and markings. Some of the flowers are brilliant red, or rich blue self-colored; others are equally brilliant, with broad margins of clear white. Some blossoms are striped and dotted with blue or red on white or lemon-yellow ground; others clouded with blue and red; in fact, one may expect to find some new and exquisitely beautiful markings every morning. Not only are the flowers varied, but the foliage is equally so; some of it comes plain green, and part is mottled with white and shades of yellow or yellowish green. Vines grow 30 to 40 feet high. Packet, 10c.

305. MOON FLOWER (Ipomoea Noetiflora.)—Charming and popular blooming climbers; of rapid growth and showy effects; warm, rich soil, with a sunny exposure, suits them. Packet. 5c.

310. TALL NASTURTIUM (Tropaeolum Major.)—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellis, etc. The seed pods can be gathered while green and tender for pickling.

Packet, 5c. 0z., 10c.

320. SCARLET RUNNERS.-Very handsome, climbing Beans, with bright scarlet flowers. Packet, 5c. bright scarlet flowers.

326. SMILAX.—Charming climber for greenhouse or window gardens. Pkt., 5e. 1/2 oz., 25e. 0z., 40e.

Sweet Peas

Ten 5c. Papers Mailed for 25c., Or Four 10c. Papers for 25c.

SWEET PEAS still hold a place in the first rank among flowering plants. But few plants are grown more easily, and grown in masses of separate colors or in mixture their beauty and fragrance cannot be surpassed. We offer in our list an assortment of the choicest varieties.

No lover of flowers should

be without a bed of Sweet Peas. Our list comprises the Best Varieties.

CULTURE.—Sweet Peas should be sown in drills as early as possible in spring, in rich, friable soil. Prepare the bed thoroughly, working in a quantity of well-rotted manure, if it can be done, making a furrow 4 to 6 inches deep. In this sow the seed and cover 2 inches deep. As soon as the plants begin to show through, fill in the furrow. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming.

CLASSIFIED VARIETIES AS TO GOLOR.

If you want White, select from numbers 356, 373, 387, 402. Pinks, 350, 371, 391, 420, 427. Orange and Salmon, 395, 406. Scarlet, 377, 386. Maroon, 360, 423. Yellow, 400. Striped Varieties, 353, 411, 424. Pink or Red, with White Wings, 357, 358.

Maroon, 360, 423. Yellow, 400. Striped Varieties, 353, 411, 424. Pink or Red, with White Wings, 357, 358.

350. ALICE ECKFORD.—Standard, rich, creamy, tinted pale pink. Wings pure white. Oz., 5c. 1/4 Lb., 15c.

362. AMERICA.—Large, bold flower; white striped with bloodred. Oz., 5c. 1/4 Lb., 15c.

351. APPLE BLOSSOM.—Bright rose and pink; beautiful.

Oz., 5c. 1/4 Lb., 15c.

352. AURORA.—The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange salmon. Oz., 5c. 1/4 Lb., 15c.

363. BLACK KNIGHT.—Extra large, well-expanded flowers of glossy maroon. Oz., 5c. 1/4 Lb., 15c.

356. BLANCHE BURPEE.—Pure white; very large flower,

Oz., 5c. 1/4 Lb., 15c.

357. BLANCHE FERRY.—Extra large color standard, brightest pink; keel and wings white. Oz., 5c. 1/4 Lb., 15c.

358. BLANCHE FERRY—Extra Early.

Oz., 5c. 1/4 Lb., 15c.

359. BLUSHING BEAUTY.—Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate, soft pink. Oz., 5c. 1/4 Lb., 15c.

360. BOREATTON.—A very fine dark Pea, with bold, stout flowers; color deep maroon. Oz., 5c. 1/4 Lb., 15c.

361. BUTTERFLY.—New, and ranks among the very best of this unrivaled class of plants. Color layender blue, shading into white on the lower petals.

Oz., 5c. 1/4 Lb., 15c.

364. CAPTAIN OF THE BLUES .- Large shell-formed flowers. purplish blue; wings deep blue. Oz., 5c. 1/4 Lb., 15c.

365. COQUETTE.—Rosy cream standard; cream wings. Oz., 5c. 1/4 Lb., 15c.

UZ., 3c. 1/4 LD., 15c.

366. COUNTESS OF RADNOR.—Delicate lavender, wings delicately striped with rose, Oz., 5c. 1/4 Lb., 15c.

371. ELIZA ECKFORD.—Standard rose, wings delicately striped with rose. Oz., 5c. 1/4 Lb., 15c.

372. EMILY ECKFORD.—Standard heliotrope, suffused with blue; wings deep blue. Oz., 5c. 1/4 Lb., 15c.
373. EMILY HENDERSON.—Very early; color pure white; fragrance most delicious. The plants are robust, branchy, of compact habit; flowers large, broad and round, and its abundance of bloom is phenomenal. Oz., 5c. 1/4 Lb., 15c.

374. FIREFLY.—Intense, glowing crimson, **Oz.**, **5e**, 1/4 **Lb.**, **15e**.

381. GAIETY.—Standards white striped and flaked with rosy lilac; wings delicate blush. Oz., 5e. 1/4 Lb., 15e. 367. GORGEOUS.-Flowers very large; coloring rich, glowing

and effective. Oz., 5c. 1/4 Lb., 15c.

380. GRAY FRIAR.—Large, shell-shaped flower, white clouded, and minutely dotted with reddish lilac. Oz., 5c. 1/4 Lb., 15c.

382. HER MAJESTY.—Beautiful, soft rosy pink.

0z., 5c. 1/4 Lb., 15c.

385. INDIGO KING.—A dark maroon standard, and clear indigo blue wings. 0z., 5c. 1/4 Lb., 15c.

386, INVINCIBLE SCARLET.—Flowers of intense and brilliant scarlet pink, of the largest size. 0z., 5c. 1/4 Lb., 15c.

391. KATHERINE TRACEY.—Soft, brilliant pink.

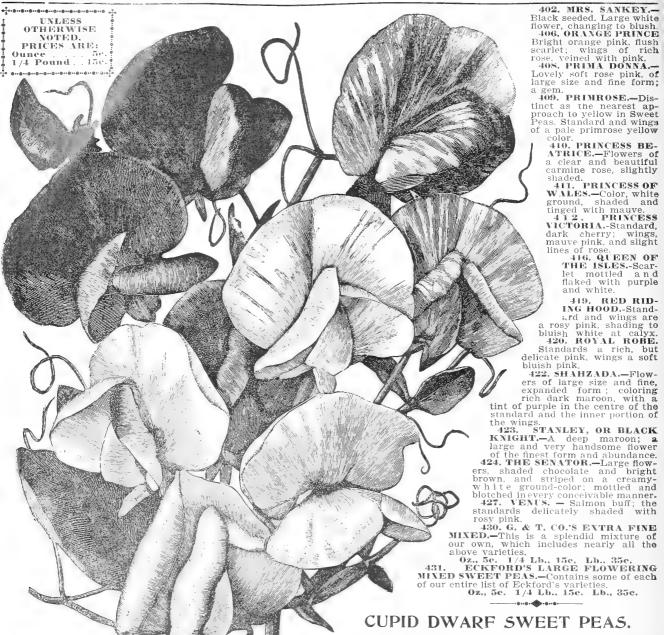
394. LADV. BEACONSMELD.—The standards one of light.

391. KATHERINE TRACEY.—Soft, brilliant pink.
Oz., 5e, 1/4 1 b., 15e,
394. LADY BEACONSFIELD.—The standards are of light
salmon pink, wings pale primrose yellow. Oz., 5e, 1/1 b., 15e,
395. LADY PENZANCE.—One of the most beautiful of Eckford's introductions. The standard is a beautiful laced pink,
touching orange, while the wines are a darker and purer pink
Oz., 5e, 1/4 lb., 15e,
396. LOTTIE ECKFORD.—New, and a free bloomer, color
lavender, shaded with pink and white. Very handsome.
Oz., 5c, 1/4 lb., 15c,

43







397. LOTTIE HUTCHINS.—Daintily flaked with pink on cream ground, making a rich and lovely effect. The flowers are of well-expended grandiflora type, large in size and finely formed, berne on heavy, substantial stems.

Sweet

Peas-Continued.

398. LOVELY .- The most beautiful soft-shell pink; grand flowers of large size.

399. MARS.—Bright, fiery crimson, deepening with age; a .arge, round, expanded standard.

400. MRS. ECKFORD.-Color a peculiarly delicate shaded primrose yellow. Decidedly pretty.

401. MRS. GLADSTONE.—On opening, the flowers are buff and soft pink, changing to a beautiful pale blush. Standard pink, deepening in color at the base, and wings flesh-tinted.

435. PINK CUPID.—Standard bright rose pink; wings either pure white or blush. The seed is black and germinates readily: a thrifty grower and continuous bloomer. Pkt., 5e. 1/2 Oz., 20e. 436. WHITE CUPID.—Pure white flowers. Pkt., 5c. Oz., 20c. 427. BEAUTY CUPID.—Pkt., 5c. Oz., 20c. 438. PRIMROSE CUPID.—Pkt., 5c. Oz., 20c. 439. ALICE ECKFORD.—Pkt., 5c. Oz., 20c.

PALMS.

treca Lutesceus. Latana Borbonica, Cocos, Weddeliana, Pandanus Utilis.—25c. each.
Kentia Balmoriana.—35c. each.
Poston Fern (Exaltata Bostoniensis).—25c. each.
These arch and droop over very gracefully, making it an excellent plant to grow as a single specimen on a table or pedestal.

Three New Flowering Begonias.

GLOIRE DE LORRAINE.—This is undoubtedly the greatest gem in winter-flowering Begonias yet introduced. It grows from 12 to 15 inches high, forming naturally graceful, bushy specimens. Good young plants 25c. each, 82.50 per dozen.

ARGENTEA GUTTATA.—Foliage of rich green, spotted with silver. 15c. each, \$1.50 per dozen.

METALLICA.—A fine erect growing variety, with dark, rough leaves. 15c. each, \$1.50 per dozen.

TEN 5c. PAPERS

OR FOUR 10c.
PAPERS for 25c.
THIRTY 5c. PAPERS for 50c.



Chrysanthemums

LARGE SHOW VARIETIES.

PRICE-15c, each; 5 for 50c.; \$1.00 per dozen; \$5.00 per 100; one each of the 34 varieties for \$1.75.

TIMOTHY EATON (NEW.)—Large ure white. 20c. each. COL. APPLETON (NEW).— Large

AUTUMN GLORY. — D pure yellow. 20c. each.
AUTUMN GLORY.— Deep reddishsalmon when first opening, gradually
changing to a soft shrimp pink.
COL. WM. B. SMITH.—A grand, deep
yellow, of finest form and size.
CALLINGFORDI.—A fine shade of

erimson.
EUGENE DAILLEDOUZE. - Bright,

GEORGE W. CHILDS.—The best deep self-colored crimson variety in exist-

GLORY OF THE PACIFIC.-A magextra early pink, EN WEDDING.—The grandest

GOLDEN WEDDING.—The grandest golden yellow ever introduced.

IVORY.—Snowy white; perfect form

J. H. WOODFORD,-Shell or mermaid

ink, strong stem, fine foliage.

LIBERTY.—Of beautiful form; color

BONNAFFON .- One of the WAJOR est yellows. MRS. F. BERGMAN.—One of the ear- o

MRS. J. T. WHILDIN.—A handsome creamy white light yellow.

MATD DEAN.—An extra large-flow-ered variety; color pink, almost rose.

WINERVA .- Large, vivid golden yel-

MINNIE WANAMAKER. - Creamy white, of very large size, and so much incurved as to resemble a white ball.

MRS. S. T. MURDOCK.—Large deep

MRS. JOHN GLESSNER .- Large, light

ellow, incurved, late. MRS. PERRIN.—Rose pink, globular.

MRS. O. P. BASSETT .- Japanese in-

MRS. H. WEEKS .- Japanese incurved,

MODESTO .- One of the largest and rettiest yellow varieties. NIVEUS.-A grand snow-white variety.

THE QUEEN .- Excels all in pure

V. H. HALLOCK .- Rosy pearl of a

waxy texture.

WM, H. LINCOLN. — A magnificent golden yellow variety.

EUREKA. — High - class, porcelain

MRS. R. McARTHUR .- Magnificent : stal whi

JEROME JONES. - Large,

IVORY, PINK .- Shell pink.

ROSE OWEN .- A fine, early, light

nrysantl ompone

PRICE-10c, each; 75c, per dozen; \$5.00 per 100; one of each of the 59 varieties for \$3.00.

THESE BEAUTIFUL small-flowered varieties are certain to become popular for outdoor bedding purposes. They are absolutely hardy, and produce an abundant profusion of blooms, and the plants lend a coloration to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will requently happen that an armful of flowers can be cut after a sharp frost. The collection we offer embraces all the leading colors, and, with but a slight covering of leaves or coarse stable litter during the winter, will take care of themselves after once planted.

ANNA MARY .- Creamy white.

BROWN BESSIE .- Terra cotta.

BRIDESMAID .- Clear, soft pink,

BEN HUR .- Very small pink.

BOB .- Delicate pink.

BLUSHING BRIDE .- Early, light pink.

CLIMAX .- Deep rosy pink.

CHIVVER .- Small, white.

DINIZULU .- Deep pink.

ELEGANTA .- Deep pink, white tip.

EAGLE de O'ER .- Good vellow. EDNA .- Pink, light centre.

FLAG OF TRUCE .- Large, full white.

FAIRY QUEEN .- White, pink tip.

FRED. PEELE .- Small, light pink.

FIRE BALL.-Yellow, tipped white,

GOLDEN FLEECE .- Large, lemon yel-

GLOBE d'OR .- Light yellow.

GOLDEN PHEASANT .- Golden yellow.

GOLD STANDARD .- Fine yellow.

GOLD NUGGET .- Deep orange.

GOLDFINCH .- Yellow, shading bronze

HAPPY THOUGHT .- Rosy pink.

IVANHOE .- Deep pink, tipped white.

JULIA LAGRAVERE .- Dark bronze.

JACK .- Small, light pink.

KADAR .- Brown, yellow centre.

L'AMI CONDERSCHLERDT. - Small,

LA FAVORITE .- Delicate blush.

LITTLE PET.-Rose.

LABANAH .- Tall. white.

LADYSMITH .- Rosy lake.

MAID OF KENT.-White.

MR. KNAUF .- A beauty.

MR. SCHWIDT .- Small, yellow.

MRS. VINCENT. - Large, deep rosy

NELLIE RAINSFORD.-Light bronze.

NAOML-Delicate blush.

NELLIE BLY .- Light pink.

PRINCESS LOUISE .- Bronze.

PRESIDENT .- Dark pink.

PRINCE OF WALES .- Best white.

PSYCHE .- Pale pink.

QUEEN OF BUL .- Tall, deep pink.

REGULUS .- Deep bronze.

ROSANANTE .- Late, pink.

RHODA .- Delicate pink.

SHESHAR .- Vermilion yellow.

SOEUR McLAINE .- Good white.

SUNLIGHT .- Light bronze.

ST. ILLORIA .- Silver pink.

TISRI .- Deep pink.

L'AMI CONDERSCHLERDT. POMPONE CHRYSANTHEMUM.

TIBER.—Early, yellow.

THALLA.-Fine white.

THOMAS LONG .- Light pink, tipped

VICTOR .- Very deep pink.

VUEVE CLIQUOTS .- Early, yellow.

YELLOW QUEEN .- Lemon yellow.

ZEFF .- White, tipped pink.

BULBS AND ROOTS

FOR SPRING PLANTING.

CANNAS.

FEW flowering plants combine so many fine qualities as the modern Canna—a race of sub-tropical bulbous plants, of most easy culture, rapid reproduction, and good keeping qualities. The floral world has been astonished by their luxuriance of foliage and gracefulness of bloom, which is of immense size, borne in large masses and trusses, combining in color the brightest and richest shades of yellow, red, orange and scarlet, bringing them to the front as the finest ornamental plant in commerce. Useful for garden, greenhouse or sitting-room.

ALPHONSE BOUVIER.—This is probably the grandest and most effective crimson Canna grown. Height, 6 feet.

AUSTRIA .- Is a counterpart of Italia except in the color of its flowers, which are of a pure canary yellow, with but a few traces of small reddish-brown spots in the centre of the two inside petals.

BELLE OF BALTIMORE .- Bronze foliage, pink flower.

BURBANK (NEW).—Very large flowering, rich yellow, with yery substantial, heavy, light green foliage. Height, about four feet.

FLORENCE VAUGHAN .- The finest yellow-spotted variety yet The foliage is massive and of rich green color.

MADAME CROZY.—Flowers of dazzling crimson scarlet, bordered with golden yellow. A marvelous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding 4 feet in height.

QUEEN CHARLOTTE.—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct golden belt around each petal.

FLAMINGO.—Crimson, growing about 3 feet high.

CHARLES HENDERSON .- Probably the most popular crimson Canna in cultivation, of uniform, compact habit, rarely exceeding 3½ feet in height.

MLLE. BERAT.-The nearest approach to a pink in a firstclass bedder. Height, 4 feet.

BEAUTE POITEVINE.—A very dark crimson variety, with dark metallic-green foliage, and deep, rich, crimson flowers.

ing. Height, about 4 feet.

EGANDALE .- Fine dark variety; flowers of a soft currant red.

STARTED IN POTS.

Any of the above, from 3-inch pots, 10c. each; by mail. 15c.; 90c. per dozen; express prepaid, \$1.25; \$6 per 100.

ALLEMANIA. — Exceptionally large flowers, frequently measuring 6½ inches across, the upper petals salmon with broad border and markings of golden yellow, while the lower petals is dark salmon marked with yellow in the centre; foliage dark green. (See cut.)

ark metallic-green foliage, and deep, rich. crimson flowers.

ITALIA.—Is of a bright orange-scarlet, with a very broad yellow golden border. The flow-scarlet about 4 feet.

SECRETAIRE CHABANNE.—Salmon-colored; rich and pleasers, which are produced on massive stems, about 16 inches long, which are produced on massive stems, about 16 inches long, and the second pleasers are set well about 4 feet. well above the foliage, which is large and heavy, similar to that of the Musa Ensente.

> DRY OR DORMANT ROOTS (Leading Varieties). 5c. each, 35c. per dozen.

> > TALL MIXED VARIETIES.

Red or green foliage. Each, 10c.; 4 for 25c.; 75c. per dozen.

If Cannas are wanted by mail, send 5c, additional for postage on each, or 15c, for a dozen.

BEDDING

COLEUS.—Fifteen choice varieties, 10c. each. 6 for 50c.

-Good varieties

75c. per dozen.

-Ten named varieties

6 for 50c.

75c. per dozena

10c. each.

HELIOTROPE.

6 for 50c.

75c. per dozen.

HARDY PHLOXES .- Ten named varieties. 6 for 50c. 12 for S5c.

PANSIES .- Good varieties. 10c. each.

6 for 50c.

75c. per dozen.

AGERATUM STELLA GURNEY. 10c. each, 75c. per dozen.

ALTERNANTHERA.—In variety.
10c. each. 75c. per dozen.

SALVIAS.—Splendens, Bonfire, Silver Spot. 10c. each. 6 for 50c.

10c. each.

85c. per dozen.

Standard Sorts.

LIZZIE McGOWAN .- One of the pest white varieties.

NEW YORK .- Bright, cerise pink, a fine flower.

ORTIA.-Brilliant scarlet. Still the leading scarlet.

SCOTT .- Flowers large and non-bursting, of a deep pink; stem long, of good strength. Everybody's pink.

15c. each. 5 for 50c. \$1.00 per dozen. 25 for \$1.5

DAHLIAS-POT GROWN.



A. D. LIVONII.—Sea-shell pink. ARABELLA.—Sulphur-tipped pink. AMERICAN FLAG. — White and red

ALICE.—Deep lilac.
APPLE BLOSSOM.—Nearly all colors of

APPLE BLOSSO M.—Nearly all colors of ine apple blossom,
CAROLINE GININNII.—Scarlet,
CHARLES PERRY.—Maroon,
CRIMSON BEAUTY.—Crimson,
DANDY.—Lilac and maroon,
ELECTRIC.—Pinkish lilac,
FRANK SMITH.—Maroon-tipped, pinksh white

HENRY PATRICK .- Large white.

CACTUS AND DAHLIAS.

10c. each. 6 for 50c. 75c. per dozen.

BRONZE. - Buff yellow, overlaid

CLIFFORD W. BRUTON.-The best ellow Cactus Dahlia; a clear rich

LYNDHURST .- Deep glowing scar-

t: large and full.

FIRE BALL.—Clear yellow, tipped

eddish pink.
MISS JENNINGS.—Combination of ellow, salmon and pink.

ORIENTAL.—Rich pale salmon.

ELFIN.-Pale primrose, changing cream white.

FAIRY QUEEN .- Light sulphur yelw. edged with deep pink. LELIA.-Flesh mottled, deep crim-

CATHERINE.-Fine yellow.

NYMPHAE.—A beautiful delicate ink, shading to blush at centre. ORANGE KING.—Yellow orange. RED AND BLACK.-Deep wine, red

SINLIGHT .- Soft pale lemon. Very

fine. UNIQUE.—Pure yellow, tipped with

red and blue.
WILLIAM AGNEW.—The grandest red Cactus Dahlia ever produced; color, a rich shade of red.

POMPONE DAHLIAS.

LITTLE PRINCE. - Red tipped,

nottled deep crimson.
LITTLE HELEN.—Pure white.
LITTLE PET.—Soft pink, shaded rimson.

LITTLE MASTER.—Deep maroon. SNOW-CLAD.—Unquestionably the

LITTLE BESSIE .- Quilled cream,

son. VIVID.—Intense scarlet. Large Flowering-Selected Varieties.

10c. each. 6 for 50c. 75c. per dozen. FERN LEAF BEAUTY .- White crim-

GRAND DUKE ALEXIS .- Large creamy

JOHN ELITCH.—Deep crimson.
JOHN KYNES.—Yellow-tipped searlet.
KING OF YELLOW.—Yellow.

LE PHAR. LE PHAR.—Scarlet.
MISS MAY LOWAS.—White, tipped with

MRS. GEORGE REID.—Rosy lake.

MRS. DEXTER.—Salmon.
MAID OF KENT.—Crimson and white. BLANC. ge white, tipped pink. MRS. GLADSTONE .- Delicate shell pink.

MME. ZELLER. - Yellow, edged with pink.
M. E. HALLOCK.—Clear yellow.

NEGRO.—Black, maroon, striped white.
NYMPHAEA.—Delicate light pink.

ORANGE KING .- Brilliant orange. PURITY .- Large pure white.

PLUTON.-Fine yellow.

PERILE. — Large white, tipped and edged with pink.

RUBY QUEEN .- Clear ruby red. SOUV. DE MME. MOREAU.-Deep red pink.

PAEONIES.

THESE noble plants are exceedingly effective; the profusion and duration of bloom, combined with the handsome massive foliage, accommodating habit, and easy culture, render them of the most popular hardy plants grown for lawn and garden deceration, or for mingling with about the back hardy and garden

one of the most popular hardy plants grown for fawn and garden decoration, or for mingling with shrubs for herbaceous plants in borders and wild gardens.

DOUBLE WHITE.—25c. each, \$2.50 per dozen.

DOUBLE CRIMSON.—25c. each, \$2.50 per dozen.

Postage extra, 5c. each, if wanted by mail.

DOUBLE VIOLETS.

LADY HUME CAMPBELL.—Its excelling merit is its strong, healthy constitution. Light purple flowers.

SWANLY WHITE.—The best white double violet.

Good plants of either of the above varieties at \$1.00 per

dozen, 25 for \$1.50, or \$5.00 per 100.

FLOWER TUBS.

COLUMBIA, NO. 1 PLAIN.

MADE of Cypress. Never decay or fall apart. Natural varnish finish on the wood, or if wanted can finish them in oil paint, but to order only.

12 inches in diameter by 11 inches high. Each \$1.00 15 inches in diameter, by 14 inches high. Each \$1.50

18 inches in diameter, by 161/2 inches high.

21 inches in diameter, by 181/2 inches high. Each \$2.50

24 inches in diameter, by 201/2 inches high. Each \$3.90

KAEMPFERI. IRIS

JAPANESE IRIS. These magnificent

These magnificent Japanese Iris are among the most beautiful of our summer flowering plants, and are des-tined to become great favorites. They commence They commence flowering early in July, and continue in bloom for five or six weeks if plentifully supplied with water while growing and flowering. Many of these flowers measure from 10 to 12 inches in diameter, and al-most rival the Orchids in their rich colorings and mark-

> Each, 15c. Four for 50c.



U.S.FLOWER TUBS.

Cypress, painted green; iron feet and iron bound.

Each	No. 1 13x11
	No. 2—14½x13. \$1.15
	No. 3-16x15.
	No. 4-20x18.
	No. 5-24x21.
Each	82.50



Fifteen cents each. Four for 50 cents. \$1.25 per dozen.

to "Hermosa" in hardiness and pro-usion of bloom. Color, rich shade of AUGUSTA VICTORIA.—One of the most desirable Roses of recent introduction The flowers are produced in the greatest profusion, are of large size, of a creamy white color, shading deeply towards the center. It is a strong, healthy grower with fine foliage, and will undoubtedly become popular both as a bedding variety and for foreign winds and the control of the con orimson.
OUIS PHILIPPE.—A rich, with fine forlage, and win undoducedly become popular and for forcing under glass.

AMFRICAN BEAUTY.—Beautiful crimson; very double and fragrant.

LA FRANCE.—Splendid satiny Rose; very large, full, fine form a constant bloomer.

BON SILENE.—An old favorite, brilliant carmine, fine in bug tark, velvety and beautiful. crimson, free form METEOR .- A rich, dark, velvety crimson, Hybrid Tea; a fre: bloomer and vigorous grower.

MARIE GUILLOT.—Pure white; a fine bedding Rose.

MARIECHAL NELL.—Large golden yellow.

NIPHETOS.—The White Rose par excellence, large pointed buds very free flowering. Particularly valuable for winter forcing and summer blooming.

PAPA GONTIER.—This is one of the most fashionable of ouwinter flowering Roses, but is equally useful for summer bedding Color, a glowing carmine crimson.

PERLE DES JARDINS.—No Rose of its color is more valuable than this. Its color is a rich shade of yellow; large size and perfect form. Tea fragrance; a healthy, free grower, and unequalled in profusion of bloom.

SAFRANO.—Saffron yellow, beautiful in the buds; a well-knowr favorite. favorite.

GEN. JACQUEMINOT.—Well-known and popular.

CORNELIA COOK.—Perhaps the finest white Rose; flowers very large.

GOLDEN GATE.—Creamy white, tinted yellow; pedals edge? WITH POSE.

HERWOSA.—Pink. A grand bedding Rose, prolific in blooming and almost entirely hardy, having lived for years in the New York cemeteries.

> HARDY MEMORIAL ROSE. (Rosa Wichuriana.)

FOR USE IN CEMETERIES.

It is difficult to conceive anything more ap-It is difficult to conceive anything more appropriate, beautiful and enduring for covering graves and plots in cometeries than the Hardy Memorial Rose. It creeps along the ground almost closely as Ivy, growing ten feet in one season, and forming a dense mat of very dark, green lustrous foliage.

CULTURE.

Roses of the Tea and monthly class are not altogether hardy north of Virginia, yet with careful banking of the earth high around the plant most kinds do well. The Hybrids, Mosses and Clusters are most hardy, still some protection is very beneficial to these if it only be a covering of loose straw or leaves. Coarse stable manure is the best mulch for winter and summer. We would recommend that north of Virginia selections should be made from the Hybrid Perpetual class, and especially where complete hardiness and large plants are desired. Spring is the best time for planting Roses. The soil should be rich and well drained, with careful culture, to insure success. Annual pruning is culture, to insure success. Annual pruning is very beneficial.



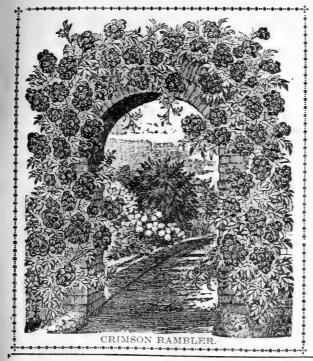
BRIDE.—'he Bride is pure white of large size and most perfect form. This variety has a most delicous fragrance, and is a strong growing, free blooming rose, either for summer or winter flowering.

SaMAN

COCHET.

*RIDESMAID.—This beautiful new rose is a sport from Catherine Mermet, possessing all the good qualities of that popular variety, but surpassing it in color, being of a darker, richer color, a deep, rich pink. A most desirable acquisition, and invaluable for winter forcing.

COCHET .- An extra strong roducing its large buds and flowers in the greatest pro-rusion; color deep rose pink; borne on long stiff stems; very dcuble and exquisite when in bud. WHITE MAMAN COCHET.—Identical with Pink Cochet except in color; an ideal bedding variety.



Hardy Climbing ROSES.

15c. each. 4 for 50c. \$1.25 per dozen.

CRIMSON RAMBLER .- This Rose has already made an impression as one of the grandest garden varieties introduced for years. It is of Japanese origin, and quite hardy, with strong shoots, that climb high in a season, or may be cut back into handsome bush form. The foliage is noticeably distinct and handsome, light glossy green, thick and leathery. The flowers are produced in great pyramidal panicles of brilliant crimson. As a decorative pot plant it is also strikingly effective.

YELLOW RAMBLER .- The hardiest yellow climbing Rose yet introduced. A worthy companion to the Crimson Rambler, White Rambler and Pink Rambler.

BALTIMORE BELLE .- Pale blush, shading to rose color; very double flowers in large clusters.

GREVILLEA, OR SEVEN SISTERS .- Flowers in clusters, opening a light rose color, changing to pure white.

PRAIRIE QUEEN .- Bright carmine pink; full globular flowers of A fine rose for all sections

TENNESSEE BELLE .- Blush of good size, flowers in clusters. WHITE RAMBLER.

PINK RAMBLER.

AURATUM (The Gold-Banded Lily of Japan.)—Immense white flowers, each petal marked with a wide gold band and spotted with maroon; very sweet fragrance and free blooming. It is considered by many the finest lily in cultivation.

LILIUM AURATUM

Large Bulbs, 15c. each. \$1.00 per dozen. Extra Large Bulbs, 15c. each. \$1.25 per dozen. Mailed free.

LILIUM SPECIOSUM RUBRUM .- White, with rose centre. Each, 15c. \$1.00 per dozen.

LILIUM SPECIOSUM ALBUM .- Pure white Each. 15c. \$1.25 per dozen. Mailed free.

WHITE CALLA (Ready in July). - The White Calla, or Lily of the Nile is a well-known plant of easy culture, and in winter is one of our best winter plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, re-pot them in good rich soil, using a four to six-inch pot. Give water, light and heat in abundance, and the result will be most

Large Bulbs, 10c. each. By mail, 15c.

Extra Large Bulbs, 15c. each. By mail, 25c.



CALLA LILY.

Water Lilie Hardy

MAY be planted in ponds, lakes or slug-gish streams, early in the spring, and under the same conditions as our native Water Lily they will grow luxuriously and flower profusely the entire season; provide the same conditions in artificial ponds or tanks, and the results will be equally satisfactory.

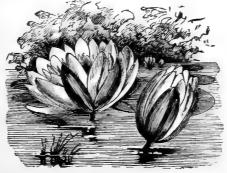
NYMPHAE ODORATA GIGANTEA.

This is a superb variety, and should be in every collection. Similar in all respects to Nymphae Odorata, but the flower is very large and full.

15c. each. 4 for 50c. \$1.25 per dozen.

NYMPHAE ODORATA MINOR.

A pretty little variety of our native pond lily, equally as hardy and fragrant, but the flowers and leaves are much smaller. 15c. each. 4 for 50c. \$1.25 per dozen.



NYMPHAE ODORATA.

The well-known, fragrant pond lily. Its lovely pure white flowers, so common in some localities, are worthy of a place among the choicest varieties where cultivated

15c. each 4 for 50c. \$1.25 per dozen.

PINK CAPE COD WATER LILY.

It possesses all the desirable qualities of Nymphae Odorata. The flowers are of large size; cup-shaped; a lovely deep pink in color; delicious fragrance and free bloomer; a most desirable variety.

40c. each. \$3.50 per dozen.

BEGONIAS Tuberous Rooted...

THE Tuberous-Rooted Begonias are among the handsomest of our summer flowering bulbs. They are not grown to the extent they should be; they require no more care than Geraniums; have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and varied colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet.

MIXED SINGLE, 10c. each. \$1.00 per dozen. MIXED DOUBLE, 25c. each. \$2.50 per dozen.

TUBEROSES

NE of the most fragrant and popular of the summer flowering bulbs. May be started early in hot beds or pots, or planted in open ground after first day of May.

Each, 5c. Dozen, 25c. \$1.00 per 100. By mail, 35c. per dozen.

> Madeira Vine Roots. Each, 5c. Dozen, 30c.



If wanted by mail, add 10c. per dozen for postage.

HE cultivation of the Gladio-lus is very simple, as they thrive in any will thrive in any good garden soil, but will amply repay one for careful cultivafor careful cultiva-tion. A succession of bloom may be had from July to September by planting at inter-vals from April to June.

OUR GLADIOLUS are from one of the largest growers in the country, and one who has the finest assortment to be had either in this country or Europe; therefore we claim them to be unexcelled as to quality.

MIXED (All Colors).-Dozen, 25c. \$1.25 per 100.

WHITE AND LIGHT COLORS .- Dozen, 30c. \$1.75 per 100.

EXTRA WHITE AND LIGHT VARIETIES.-All first-class varieties, made up largely from best-named sorts, including ten per cent, of Snow White.

10c. each. 50c. per dozen. \$3.50 per 100.

CHILDSI MIXED.—Extra large and fine. 50c. per dozen. \$3.25 per 100.



Caladium Escu-

GLADIOLUS.

THE Caladium Esculentum is one of the handsomest of the ornamental leaved plants. It will grow in any good garden soil, and is of the easiest culture. To gain the best result it should be planted where it will obtain plenty of water, make good growth in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length and nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden. and nearly as broad. There is nothing a grand bed of foliage in the garden.

FIRST SIZE BULBS.—5c. each. By mail, 10c. 50c. per dozen. EXTRA LARGE BULBS.—10c. each. By mail, 15c. \$1.00 per



CALADIUM ESCULENTUM.

Fancy Leaved Caladiums.

These make grand plants in pots for the conservatory or greenhouse and are becoming more popular yearly. They also do splendidly in beds outdoors in a shady place and in rich, light, free soil.

20c. each. \$2.00 per dozen.

15c. each. 5 for 50c. \$1.00 per dozen. 30 for \$2.00.

AMERICA (NEW).—A great improvement on "Mars." Very rich pink, with white border around each flower.

Alphonse. Beaute Poitevine. Bruant. Double General Grant. Countess De Harcourt. Ivy Geraniums. Gillian, H. Gill. General De Boisdeffere. John Doyle. La Pilote. La Favorite. Mme. Salleroi. Mme. Langtry.

DRYDEN (NEW).—Centre pure white, surrounded by a band of the most dazzling rosy scarlet, producing the "Aureole" effect. Granville.

Mme Jaulin,
Miss Frances Perkins,
Marquesse de Montmort,
Mme. Barney,
Miss Kendell,
S. A. Nutt,
Jean Viand,

Granville.
Jacquerie.
L'Aube.
Mrs. E. G. Hill.
Mme. Bruant.
Rose Scented
M. Canovas.



INFORMATION. VALUABLE

FUNGICIDES.

BORDEAUX MIXTURE.

Copper	S	sul	lp	ha	it	е					,				. 6	pounds.
Quickli	m	ie	ï									,			. 4	pounds.
Water														4	1-50	gallons.

Dissolve the copper sulphate by putting in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Slack the lime in an equal amount of water. Then mix the two, and add enough water to make 40 gallons. It is then ready for immediate use, but will keep indefinitely. If the mixture is to used on peach foliage, it is advisable to use an extra pound of lime to the above formula. When applied to such plants as carnations or cabbages, it will adhere better if about a pound of hard soap be dissolved in hot water and added to the mixture. For rots, molds, mildews, and all fungous diseases.

AMMONIACAL COPPER CARBONATE.

The copper carbonate is best dissolved in large botfles, where it will keep indefinitely, and it should be diluted with water as required. For the same purpose as Bordeaux Mixture.

COPPER SULPHATE SOLUTION.

Copper	S	u	lp	ha	ıt	e									pound.
Water														15	gallons

Dissolve the copper sulphate in the water, when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines, use 25 gallons of water. For fungous diseases.

When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.

to 20 da

-(Blight, red spi-

INSECTICIDES.

PARIS GREEN. (Arsenites.)

1 pound.

Paris Green .

This is used in the same proportion as Paris Green, but, as it is more caustic, it should be applied with two or three times its weight in lime, or with the Bordeaux Mixture. The composition of London Purple is exceedingly variable, and unless good reasons exist for supposing that it contains as much arsenic as Paris Green, use the latter poison. Do not use London Purple on peach or plum trees, unless considerable lime is added. For insects which chew.

HELLEBORE.

Fresh White Hellebore 1 ounce. 2 gallons

KEROSENE EMULSION.

Hard Soap

Hard Soap ½ pound.
Boiling Water 1 gallon.
Kerosene 2 gallons.
Dissolve the soap in water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 25 times before applying. Use strong emulsion for all scale insects. For insects which suck, as plant lice, mealy bugs, red spider, thrips, bark lice, or scale. Cabbage worms, currant worms, and all insects which have soft bodies, can also be successfully treated. bodies, can also be successfully treated.

the time the fruit is to be used as food.

HOW AND WHEN TO SPRAY

	HO W	AND VV	EN IOS	PRAY.	
PLANT.	FIRST APPLICATION.	SECOND APPLICATION.	THIRD APPLICATION.	FOURTH APPLICATION.	FIFTH APPLICATION.
Apple.—(Canker worm, codling moth, bud moth, ecab.)	using copper sulphate solu-	After the blossoms have formed, but before they open, Bordeaux and Paris green.*	soms have fallen, Bordeaux	10 to 14 days later, repeat.	10 to 14 days later, Bordeaux or weak copper sui- phate.
Bean(Anthracnose.)	When blossoms appear, spray with Bordeaux.	10 days later, repeat.	10 to 14 days later, weak copper sulphate solution.	Repeat last, if necessary.	
Cabbage(Worms, aphis.)	When worms first appear, kerosene emulsion, or Paris green.		If aphides persist, or if worms reappear, use kero- sene emulsion, if plants are not heading.	saltpetre for worms, a tea-	Repeat if necessary.
Carnation.—(Rust and other fungous diseases.)	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blos- soms open.	While in bloom, spray every week with the dilute copper sulphate solution.	
Cherry.—(Rot, aphis, cur- culio and slug.)	Before buds start, use copper sulphate solution. For aphis, kerosene emul- sion.	When fruit has set, Bor- deaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, WEAK.	Repeat if necessary.
Currant.—(Worms, mildew.)	As soon as worms are seen, Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.		
Gooseberry. — (Mildew, worms.)	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sul- phide of potassium on Eng- lish varieties.	10 to 14 days later, repeat if necessary.	If mildew persists after crop is gathered, Bordeaux.
Grape.—(Flee-beetle, fungous diseases.)		When first leaves are half grown, Bordeaux and Paris green.	As soon as fruit has set,	10 to 14 days later, Bor- deaux mixture, if disease is present.	If necessary, very weak copper sulphate solution
Nursery Stock (Fungous diseases.)	When buds burst, Bordeaux.	Repeat at intervals.	of 10 to 14 days.		
Peach, Apricot.—(Leaf- curl, curculio, mildew and rot.)	Before budsswell, copper sulphate solution.	As soon as fruit has set. Bordeaux and Paris green.*		10 to 12 days later, repeat.	If rot persists, use very weak copper sulphate solu- tion every 5 to 7 days.†
Pear.—(Leaf-blight, scab, psylla and codling moth.)	Before buds start, copper sulphate solution.	Within a week after blos- soms fall, Bordeaux and Paris green.		10 to 16 days later, Bordeaux.	10 to 16 days later, Bordeaux.†
Plum.—(Black knot, rot and all fungous diseases, curculio.)	As buds start, copper sul- phate solution. Cut out knot and burn.	When fruit has set. Bor- deaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Weak copper sulphate so- lution, as is necessary.
Potato(Beetles, scab, blight.)	For scab, soak seed in corrosive sublimate solu- tion (2 oz. in 16 gallons of water for 90 minutes.)	When beetles or their larvæ appear, Paris green (1 pound to 100 pounds of plaster.)	Repeat whenever necessary.	When blight of the leaves is accompanied by rot of the tubers. Bordeaux.	. Repeat if necessary.
Quince(Leaf and fruit spot, rot.)	Before buds start, copper sulphate solution.	When fruit has set, Bor- deaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Bordeaux or copper sul- phate sol., as is necessary.
Raspberry, Black- berry.—(Anthracnose, rust.)	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphatesolution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.	
Rose.—(Mildew, black spot, red spider, aphis.)	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to a paste	Black spot: Spray plants once a week with weak cop- per sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphis: Kerosene emul-	
Strawherry.—(Rust.)	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or WEAK copper sulphate solution.		terisk (*) is used it ca	N Whenever an As- lutions against spraying
Tomato (Rot and blight, worms.)		If disease appears, re- peat* or use weak copper	If necessary, spray with weak copper sulphate solu- tion.	A Dagger (†) indicates	e plants are in blossom. s that there is danger of
Winlet (Plight vol eni	When blight is first soon		Norr -Tee karasana	making an application	n within three weeks of

Repeat at intervals of 10 Note.—Use kerosene o 20 days, as necessary for emulsion, very weak.



NURSERY DEPARTMENT.

FRUITS.

SUMMER APPLES.

YELLOW TRANSPARENT.—Ripens among the earliest. July 50c. each. \$4.80 per dozen. \$18.00 per 100. STAR.—One of the best. July, 50c. each. \$4.80 per dozen. \$18.00 per 100.

AUTUMN APPLES.

GRAVENSTEIN.—August.
50c. each. \$4.80 per dozen. \$18.00 per 100.
OLDENBURG (Dutchess of Oldenburg.)—August.
50c. each. \$4.80 per dozen. \$18.00 per 100.

WINTER APPLES.

LANKFORD'S SEEDLING .- A popular sort for late winter

Se. 50c. each. \$4.80 per dozen. \$18.00 per 100. YORK IMPERIAL, or JOHNSON'S FINE WINTER. 50c. each. \$4.80 per dozen. \$18.00 per 100. STAYMAN'S WINESAP.—A great Apple. 50c. each. \$4.80 per dozen, \$18.00 per 100.

ADDITIONAL VARIETIES.

("S" means Summer. "A" Autumn. "W" Winter.)
Red Astrachan, S. Carolina Red June, S. Tetofsky, S.
Rall Pippin, A. Smokehouse, A. Ben Davis, W. Bentley's Sweet, W. Berry Red, W. Fallawater, A. Winesap, W. Nansemond Beauty, W. Rome Beauty, W.
25c. each. \$2.50 per dozen. \$15.00 per 100.
CRAB APPLES.—50c. each. \$5.00 per dozen.

PEARS.

KOONCE.—Medium to large, very handsome; surface yellow, one side covered with a bright carmine, containing brown dots; quality very good, spicy, juicy and sweet. The Koonce is a vigorous grower, free from blight, productive, and an annual bearer.

50c. each. Three for \$1.25.

VERMONT BEAUTY.—In color it is a rich yellow, with a beautiful bright carmine cheek. The fruit is of medium size, and the flesh is of the finest quality, being rich, juicy and aromatic.

50c. each. Three for \$1.25.

GARBER.—September and October.

40c. each. \$4.00 per dozen. \$25.00 per 100.

KEIFFER.—The old, well-known, reliable and paying variety.

40c. each. \$4.00 per dozen. \$30.00 per 100.

FLEMISH BEAUTY, BARTLETT, SECKEL.

30c. each. \$3.00 per dozen. \$25.00 per 100.

DWARF PEARS.

PRICES ON DWARF PEARS, 2 and 3 years, first-class: 25c. each. \$2.50 per dozen. \$15.00 per 100.

The following varieties are the only ones that succeed well as

Angouleme, Anjou. Lawrence, Seckel. Manning's Elizabeth.

PEACHES.

CARMAN.—Hardy, rot-proof. Ripens with Early Rivers; almost as large as Elberta. Pale yellow skin; flesh white. Melting, juicy. Ripens ahead of Mountain Rose.

50c. each. \$4.80 per dozen.

ELBERTA.—Needs no description.

25c. each. \$3.00 per dozen.

ITALIAN DWARF.—Very singular tree. Begins bearing when 12 to 15 inches high and seldom exceeds 3 or 4 feet. Fine for small yards. White; free-stone.

25c. each. \$3.00 per dozen.

GOLDEN DWARF.—Seldom grows over 4 to 5 feet. Very hardy; cling. Excellent eater. Fine for city yards.

25c. each. \$3.00 per dozen.

Alexander, Louise, Yellow St. John, Mountain Rose, Early Silver. Crawford Early, Wheatland, Crawford Late, Chairs Choice, Family Favorite, Chinese Cling, Old Mixon, Reeve's Favorite, Christiana, Smock Free, Globe, Ringgold Cling.

Ringgold Cling. 18c. each. \$1.75 per dozen. \$12.00 per 100.

JAPANESE OR ORNAMENTAL PLUMS

HALE.—Most vigorous tree of all the Japans. Fruit large; bright orange, mottled with cherry red. Superb in quality. Ripens middle of September.

Price, \$1.00. Three for \$2.50.

WILLARD.—Earliest of all Japan Plums, and hence very valuable for morbid.

able for market.

able for market.
50c. each. Three for \$1.25.
WICKSON.—Pit small; flesh tender, sweet and delicious. Season just following the Burbank Plum.
50c. each. Three for \$1.25.
Will sell one of each of above or the three in one order for \$1.50.

BOTAN, OR ABUNDANCE.—First of August. BURBANK.—September 1st.

The two above-named varieties, 60c. each. Three for \$1.50. Six for \$2.75. \$4.50 per dozen.
ADDITIONAL FRENCH AND AMERICAN VARIETIES, IN-CLUDING SHROPSHIRE DAMSON.
35c. each. \$3.50 per dozen. Three for

CHERRIES.

HEART.—Black Tartarian, Gov. Wood, Napoleon Bigareau, Florence, Early Purple.

DUKE AND MORELLO.—Dye House, Belle Magnifique, Early Richmond, Montmorency.

Price, 50c. each. \$5.00 per dozen.

APRICOTS.

HARRIS.—Very hardy; blooms late; sure bearer; fine golden yellow. 50c. each. \$4.80 per dozen.
RUSSIAN VARIETIES AND NECTARINES.
25c. each. \$2.50 per dozen.

NUT-BEARING TREES.

Spanish Chestnut, English Walnut, Paper Shell Pecan, Filberts, Shell Barks, Hard and Soft Shell Almonds. Price, 40 and 50c. each, according to variety. JAPAN CHESTNUT.—\$1.00 each. \$10.00 per dozen.

GRAPES.

The following list contains the best-known sorts of hardy American varieties:

OHIO, Black.—One of the very best sorts. Two years old.

25c. each. \$2.50 per dozen.

Brighton, Red. Concord, Black. Delaware, Red. Martha, White. Worden, Black.—Two years old.

25c. each. Twelve for \$2.50.

Moore's Early, Black. Niagara, White. Pocklington, White. Vergennes, Red.—30c. each. \$3.00 per dozen.

Campbell's Early.—50c. each. \$5.00 per dozen.

SELECT QUINCES.

CHAMPION (3 to 4 feet).—35c. each. \$3.00 per dozen. CHAMPION (2 to 3 feet).—30c. each. \$2.50 per dozen. MEECH PROLIFIC (3 to 4 feet).—35c. each. \$3.00 doz. MEECH PROLIFIC (2 to 3 feet).—30c. each. \$2.50 doz.

ORNAMENTALS.

DECIDUOUS TREES.

Can furnish any of the Deciduous Trees at 50c. to 75c. each, and larger quantities in proportion. SPRUCE (2 to 2½ feet).—50c. each. \$5.00 per doz. FIRS (2 to 2½ feet.)—75c. each. \$7.50 per dozen. Other Varieties in Proportion. MAGNOLIA, GRAND (2 to 3 feet).—\$1.25 each.

SHRUBBERY.

JAPAN MAPLES.—Mostly dwarf habit; several kinds weeping and cut-leaved, with brightly-colored foliage, red, purple, etc. These are indeed remarkable for beauty, and wherever planted give perfect satisfaction. \$1.50 each.

DEUTZIA GRACILIS.—75c. each.

DEUTZIA GRENATA.—75c. each.

LILAC (White and Blue).—75c. each.

SPIREA, RIEVESII.—75c. each.

SPIREA, BUMALDO.—75c. each.

SPIREA, CALOSA ALBA.—75c. each.

HYDRANGEA, PANICULATA GRAND.—75c. each.

CRAPE MYRTLE.—\$1.00 each.

VINES.

AKEBIA QUINATA,—50c. each.
AMPELOPSIS VEITCHII.—50c. each.
ENGLISH IVY,—50c. each.
WISTARIA PURPURIA.—50c. each.
WISTARIA ALBA.—50c. each.
CLEMATIS (Large Flowering).—50c. each.
CLEMATIS (Small Flowering).—50c. each.

HEDGE PLANTS

CALIFORNIA PRIVET:

One Year—\$4.00 per 100. \$35.00 per 1000.

Two Years—\$5.00 per 100. \$40.00 per 1000.

OSAGE ORANGE:

One Year—75c. per 100. \$7.50 per 1000.

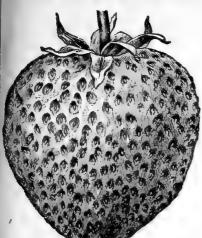
Two Years, \$1.25 per 100. \$10.00 per 1000.

AMERICAN ARBORVITAE:

12 to 18 Inches—25c. each. \$12.50 per 100.

2 to 3 Feet.—75c. each. \$22.50 per 100.

RAWBERRY



Another Perfect Flowering Sort Near Them.

W E offer a nice stock of Strawberry Plants of all the leading varieties, and at low prices, considering the quality of the stock. We can supply them at short notice, freshly dug and shipped direct from the nursery.

JESSIE .- Mid-season; good size and productive.

RIO.—A recent berry that is very highly recommended. Rich, glossy color, medium size, and very prolific

NICK OHMER .- Mid-season probably not surpassed in healthy, vigorous growth and great productiveness. Fruit large, glossy red, of excellent flavor.

MARSHALL .- Medium to late in season.

BEDERWOOD .- Early and of medium size

DAYTON .- Early, unexcelled.

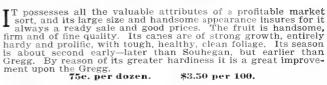
GREENVILLE (P) .- Mid-season. GLEN MARY NEW.—A very large variety; larger than Sharpless or any other berry. In quality it is equal to the best, and surpasses even the Crescent for productiveness in quarts of berries. At its home, in Chester County, Pa., it begins to ripen about May 28. Everyone should try this excellent variety.

CLYDE.—Among new varieties, possessing points of excellence, Clyde stands first on the list. Fruit large, firm and of light scarlet color.

KANSAS (Black Cap).

KANSAS (Black Cap).

Raspberries.



MILLER RED.—Fruit size of Cuthbert; bright red; does not fade; core very small; ripens very early; heavy bearer; best shipper. 75c. per dozen. \$3.50 per 100.

MUNGER.—Resembles Gregg, but much finer. One of the best of the black caps. Perfectly hardy.
75c. per dozen. \$3.50 per 100.

GOLDEN QUEEN, CUTHBERT. OHIO AND SOUHEGAN. 50c. per dozen. \$3.00 per 100.

BLACKBERRIES.

ELDORADO .- Berries very large; jet black; sweet, melting; no hard core; splendid keeper and shipper.

75c. per dozen. \$3.50 per 100.

WILSON, JR.—Very early. EARLY HARVEST. ERIE .- Early.

LUCRETIA (Dewberry.)—As early as Early Harvest and as arge as Wilson. Plant is entirely hardy, healthy, strong grower

large as Wilson. Pla and very productive.

Any of the above, 50c. per dozen. \$3.50 per 100. By express.

PARKER EARLE.—This is a large sort, or wonders ductiveness. Late.
BRANDYWINE.—Very late, strong grower; productive.
TIMBRELL (P).—Very large, bright red color.
TENNESSEE PROLIFIC.—Large, sweet, firm.
LADY THOMPSON.—Medium to late.
H. W. BEECHER (P).—Mid-season.
GANDY.—Late. Fine for canning.
MICHEL'S EARLY.—Very early.
BUBACH (P).—Medium to late.
MEEK'S EARLY.—Very early.
SHARPLESS.—Old reliable. AN EXCELLENT FAMILY COLLECTION.

MICHEL'S EARLY. LADY FINGER. GLEN MARY. SHARPLESS.

75c. per 100, or 100 of each for \$2.00.

Clyde Stands hist on the hist. Fruit lang, that any scarlet color.

NEW LADY FINGER.—A very long berry of beautiful appearance and very valuable because of its habit of holding good size to the end of the season. In season from medium to very late william Belt.—The fruit is exceptionally large, of brilliant red color, and of extra fine quality. It is a good shipper.

PARKER EARLE.—This is a large sort, of wonderful pro-

PRICE: Any of the above Varieties, Strong, Healthy Layers, 25 Cts. per Doz.; 75 cts. per 100; \$4.00 per 1,000.

POT-GROWN PLANTS will be ready for delivery after August 1st. Prices for pot-grown plants are from \$3.00 to \$4.00 per hundred, according to variety.

CURRANTS.

Price-60c. per half-dozen, \$1.00 per dozen, \$6.00 per 100, by ex-

FAY'S PROLIFIC .- The best Red Currant. Strong grower, wonderfully productive, and comes to bearing young; fruit large, bright red, and good quality.

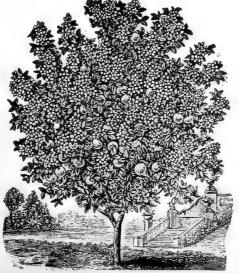
Price—75c. per half-dozen, \$1.25
per dozen, by express.

WHITE GRAPP. Price-60c. per half-dozen, \$1.00 per dozen, \$5.00 per 100, by express.

JAPAN WINEBERRIES.

This fruit is but little known, but should be in every garden. It is wonderfully productive. At this date, June 20, our beds are one solid mass, about three feet high, and covered all over the top with fruit as thick as clover in blossom.

Price—\$2.00 per dozen, by express.



ORANGE (Hardy).

GOOSEBERRIES.

DOWNING. Price—Two-year-old, 75c. per half-dozen, \$1.50 per dozen, \$5.00 per 100, by express.

HOUGHTON'S SEEDLING. Price-50c. per half-dozen, \$1.00 per dozen, \$5.00 per 100, by express.

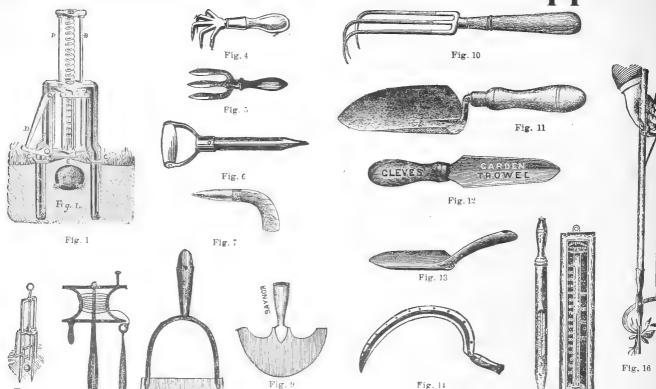
JAPAN HARDY ORANGE. (Citrus Trifoliata.)

A NEW hardy Orange. Has of late created quite a sensation North from the fact that it is perfectly hardy; it blooms and fruits profusely in the parks of Philadelphia and New York. To have a fruiting Orange tree in your garden is certainly something to be proud of; its large, white, sweet-scented flowers are produced in the greatest abundance before the fruit appears. Well adapted for hedges, making a close, compact growth that nothing can penetrate. Such a hedge when in bloom and fruit is certainly one of the greatest sights to be seen. Fruit small, bright orange red in color, has a peculiar flavor, fine for preserving. serving.

Serving,
Price—Three years, by freight or
express, 50c. each, \$3.50 per dozen,
\$15.00 per 100.

FOR SPRAY GOODS, SEE PAGES 68 TO 71, AND FOR FUMIGATOR, SEE PAGE 70,

Horticultural Tools and Supplies.



L. M. Olmstead's Improved Reliable Mole Trap.

Fig. 3

Fig. 8

Fig. 1 NO CHEAP TRAP SO GOOD. NO GOOD TRAP SO CHEAP.

Springs are furnished to operate the rap. The spring can be readily attached

Springs and trap. The spring can be reauty and detached.
This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box, one dozen in a case.

Price \$1.50

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass.

G. & T. Mole Trap. This is a good Mole Trap for the money. \$1.00

Out of Sight Mole Trap.

The Little Giant Mole Trap

Self setting by pressing down on lever. Very convenient feature found on no other trap. Made from Best Spring Steel, thoroughly Galvanized. Simple and durable in its construction. 75c

Garden Reels.

Fig. 3

Excelsior Weeder.

Fig. 4 Price, 10c.; mailed, 15c

Large Hand Weeder.

Fig. 5
Large Size......15c. By mail, 10c. extra.

Dibbles.

For transferring plants. By far the best thing for the purpose ever introduced.

Straight, made of Tubular Steel 75c.

Scuffle Hoes.

							Į	?	j	2			8	i								
4 inches	,			,									,		,						50c.	
6 inches								,				,									60c.	
8 inches					,	,		,		٠				,	٠						70c.	
10 inches		٠	٠								٠					٠	٠		٠	٠	80c.	

Edging Knives.

Fig. 9	
9in. American S	.50
8 in. Eng. Black	
8 in. Eng., all Bright	1.25
9 in. Eng. Black	
9 in. Eng., all Bright	
10 in. Eng. Black	
10 in. Eng., all Bright.	1.75

Garden Trowels.

This cut represents one of the best Trowels ever offered to the trade. It is made of forged steel, strong and durable. English, 6-inch, 40c.; 7-inch, 50c.; American, No. 3090, 35c. Cheap wood handle Trowels, 5 and 10 cents each. If Trowels are wanted by mail, send 10c. additional for postage. for postage.

Fig. 15 Eureka Hand Weeder.

Fig. 10

A very handy and useful little instrument. Short handle, 25c.; long handle, 35c.

Cleves' Trowel.

Fig. 12	
The New Garden Implement.	Each.
No. 1-Standard, 8-in, blade, 25c · mailed	350.
No. 2-Medium, 7-in, blade 20c · mailed	200
No. 3-Daisy, 5-inch blade, 15c.; mailed.	20c.

All-Steel Trowel.

Fig. 13 Very strong and durable. Price, 15c. Full Tinned Malleable Trowel, 10c. Mail, 10c. extra.

Grass Hooks.

Fig.	
American	
German, No. 0, 20c.; No.	1, 25c.: No. 2 35c.
Best Eng. Grass, No. 2, 4	Oc.; No. 3 50c.
Best Eng. Hedge Hooks, .	No. 4 60c.
Best Eng. Hedge Hooks, 1	No. 5 75c.

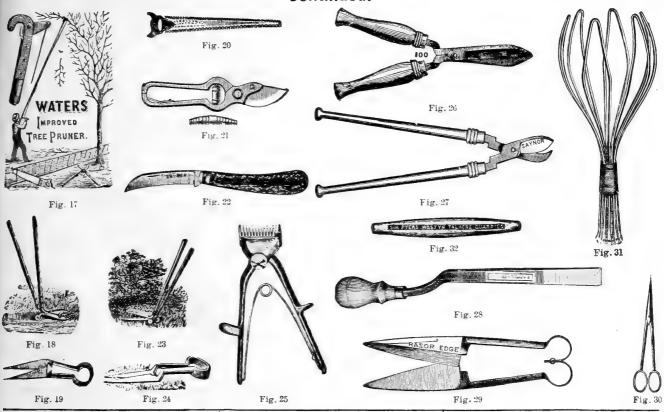
Thermometers.
Fig. 15
Tin Japanned, 7-inch
10-in. Distance Reading Thermometer 25
Boxwood, fine finish, red spirit 1.00
Plain metal, brass finished
Porcelain scale, red spirits 1.00
Dairy or bot-bed, glass, floating
Glass, floating, large
8-in. Dairy, stands boiling water
Mushroom bed, or hot bed, with brass end. 1.00
Mushroom bed or hot-bed, with brass end,
extra good 1.50
New Incubator Thermometer
Stands in tray between the eggs and can be read
without opening drawer.
By mail add 5 cents each

Novelty Lifting Weeder.

Fig. 16
A Chisel Blade cuts off the weeds; the trigger holds them so they can be pulled out. Each 75c.

GRIFFITH & TURNER CO

Horticultural Tools and Supplies



Waters' Tree Pruners. Fig 17
4 feet long
6 feet long
10 feet long 1.00
12 feet long
16 feet long 1.40
Extra knives, 20 cents.
Grass Edger. Fig. 18 Price without wheel \$2.25 Price, with wheel 2.75
Horse Shears. Fig. 19
Bent Handle, No. 1087
By mail, add 15c.
Horse Scissors. No. 9162, extra fine
Pruning Saws. Fig. 20
16 inch 70c. 18 inch 80c.
20 inch 90c.
20 inch
Pruning Shears. Fig. 21
Solid Steel, full polished
Solid Steel, half polished 75c.
Solid Steel, ordinary polished
6 inch Ladies, nickle plated 75c.
New Vineyard Pruning
Shears.
The second secon

Prices No. 126, 50c.; No. 2173, 65c.

Pruning Knives. Fig. 22

Budding Knives. Prices
Telegraph Tree Pruners.
Lawn Shears. Fig. 23 2 wheels, 8 in blade, for cutting on narrow borders, under fences and shrubs
Grass Shears. Fig. 24 Bent Handle, No. 360 35c Trowel Handle, No. 460 50c Mail, add each 15c
Horse or Dog Clippers. Fig. 25 Very handy about a horse; also for clipping dogs. Mascot Clipper \$1.00 Stewart Clipper \$1.00 Nickel plated, each. 1.75 Bottom plate 1.00 Spring 15c.
Lopping Shears. Fig. 26 Balto. Draw Cut Lopping Shears. \$2.50 American Shears, No. 1 90 American Shears, No. 5 1.25 American Shears, No. 5 1.00
Hedge Shears. Fig. 27 8 inch \$1.25 10 inch \$1.75 9 inch 1.50 12 inch 2.25 With Notch, 25 cents extra. 2.25

Fig. 29	Fig. 30
Sheep Shears. No. 374985c. No. 3755, full polist By mail, add 15 cents.	Fig. 29
Flower and Crape Sci Fig 30 Flower Scissors75c Grape Scissor 5 cents extra for postage	
Fruit Picker. First-class for picking fruit, particularly wishing to select ripest without interferin immature specimens. Price	gwith
Scythes. American, cheaper grade. Best American Bush or Brier Scythes, American. English T. Waldron, 36 in. 81.35; 38 in. in American Grain English Waldron Grain, 50 in. 81.75; 55 54 in.	75c. 75c. 81.40; 40 81.45 81,00 2 in. 81.80;
Scythe Stones. No. 1-Willoughby Creek 10c. each, \$1. No. 2-White Mountain 10c. each, \$1. These are far superior to Darby Creek a easily broken.	00 per doz.

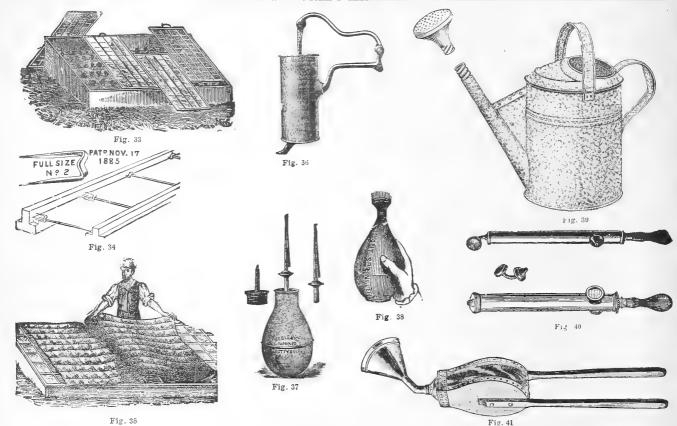
No. 3-Green Mountain Sc. each, 75c. per do:
No. 4-Indian Pond No.2, (red end) 5c. each, 50c. do.
No, 5-Mowing Machine (beveled) 10c. each
No. 6-Darby Creek: 10c. each, \$1.00 doz
Cigar Emory 10c. each, \$1.00 doz
No. 7-Imported English Talacre20c. each
None genuine unless labeled Sir Pyers Mostyn
Talacre Quarries.

Wire Pliers.

Asparagus Buncher.

Asparagus Knife. Fig. 28
Made of solid steel......25c. By mail........35c

FLORIST and CARDEN SUPPLIE



Unglazea Hot-Bed Sash. Fig. 33 3x6 feet. Price.....

Van Reyper's Glazing Points.

Fig. 34
The finest glazing points on the market. The mest glazing points on the market. The glass cannot slip; they are quickly and easily put in with special pincers; no "rights" and "lefts" to bother with Price, per box of 1,000. 60c., or by mail, 75c. Price, in lots of 5,000, by express, 55c.

75c. Pri per 1,000.

Pincers, price, per pair, 50c., or by mail, 60c.

Fig. 35

Made of strong Burlap, interlined with

wool. Price, 40x76....85c. each; \$9.25 per doz. Price, 76x76, \$1.15 each; \$12.50 per

Rattan Hot-Bed Mats.

These are the most durable yet introduced, and will probably supersede all others when their merits are known. Size, 72x74 in., covering two frames.

Price.....\$1.75 each; \$20.00 per doz.

Plant Bed Cloth.

A cheap substitute for glass, and will keep out many degrees of frost. Also use-ful for shading material. Samples mailed on application.

Light grade, 4c. yd. Piece of about 65 yds., 31/2c. yd.

yds., 72e. yd. Medium grade, 8c. yd. Piece of about 60 yds., 7c. yd. Heavy grade, 11c. yd. Piece of about 40 yds., 10c. yd.

Plant Sprinklers.

Fig. 38—For sprinkling cut flowers, seedlings, plants, clothes, etc.
Medium size, **60c.** Large size, **85c.** and **\$1.00**By mail, 10 cents extra.

Mastica Glazing Machine.

Fig. 36 Price, \$1.25

MASTICA.—For Glazing Greenhouses, Sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampn ss, heat

ily applied. It is not affected by dampn ss, heat or cold.

"Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great valu in going over old houses with a putty bulb or machine on the outside of sash, as it makes it nerfectly tiph, and sayes the expense of relaybut or machine on the outside of sash, as it makes it perfectly tigh and saves the expense of relaying the glass.

Price, $\frac{1}{2}$ gal.

1 25

5 75

Putty Bulbs-Large Size. Price, 90c. Price by mail, \$1.00

Grafting Wax.

½ lb., 20c. 1 lb., 35c. 1/2 lb., 10c.

Sphagnum Moss.

Stable Brooms.

For Stables, Lawns and Walks.
Price, with handle.....

Raffia. The Best Material for Tying Plants, Vines, &c.
Per lb20c. Ten lbs....\$1.50
SILKALINE, spool20c.

Ironclad Watering Pots. With Adjustable Nozzles.

		Fig.	
4-at		45c.	10-qt60c.
6-at		50c.	12-qt65c.
8-at		55	16-qt
-	,	WOTHERSPO	ON MAKE.
6-ot A	1.75	8-at., 82	2.00 12-qt., \$2.50

Cane Stakes.

5 to 7 ft. long ... Per 100, \$1.00. Per 1,000, \$6.50

Fig. 40 Brass Garden Syringes.

No. A, Barrel 12-in. long, 1 spray and 1 82.25 4 25

6.00

Fig. 41 Aeme Powder Gun. See Page 71

	Pot	Labels.	Plain.	Painted.
3½ in	ch, per	1,000	. 8 .45	8 .60
4 '			50	.65
41/2			55	.70
	e t		65	.90
6	60 4	4	75	1.00
	12 iı	nch, per 100	50 cents	

Painted Tree Labels. 3½ in., Notched or Pierced 65c. per 1,000 3½ in., Iron Wired 75c. per 1.000

Light Plant Stakes. Each. 1½ feet \$.02 Per Doz. Per 100 8 .80 1.40 2.00 2.75 .03 .05

Heavy or Dahlia Stakes.

Transition 10 Page 14 Per Doz. \$.67 .88 Per 100 \$3.85 5.15 6.40 1.10

Unpainted Stakes or Dowels. Per 100 Per 1,000 \$.75 \$4.50 .85 5.00

Long. Diameter. Per Doz. 36 inch. 14 inch. 15 42 inch. 14 inch. 20 44 inch. 15 inch. 25

Galvanized Hard Steel Plant Stakes.

These are a great improvement over wooden stakes for Carnation and Rose beds; they are durable, neat, strong, 2½ feet long, per 100, \$.65 Per 1,000, \$ 5.50 Per ... 6.25 % Per ... 6.25 % Per ... 7.50 Per ... 7.50 Per ... 7.50 Per ... 7.50 Per ... 8.25 % Per ... 8.25 %

DESTROYERS, INSECT Etc.



FLOWERS OF SULPHUR.

For the prevention and destruction of mildew on roses and other plants. Apply with bellows or gun.

Lb., 10c. 5 Lbs., 40c. 10 Lbs., 60c.

N. B. If by mail, add 15 cents per pound for postage.

LONDON PURPLE.

Very poisonous, and equally as efficacious as Paris Green, and more soluble. Use in the same way as Paris Green.

Lb., 25c. By mail, 40c,



NE application instantly and positively relieves horses and cattle from all annoyance from green heads, the dreaded Texas heel fly. as well as other flies, gnats and insects of every description for at least twenty-four hours. It improves the animal and abolishes the use of fly nets.

Price—Qt., 50c. 1/2 Gal., 90c. Gal., \$1.50.

PERSIAN INSECT POWDER, OR BUHACH.

A most effective non-poisonous impalpable powder-so fine that it penetrates the innermost crevices—for worms, flies, aphis and almost all kinds of insects. It is very effectual, suffocating them by filling up the breathing pores.

Price—Lb., 40c., or by mail 55c. 1/4 Lb., 15c.

Dry.—Blow on with a bellows or gun.

Solution.—Dissolve 1 ounce to 3 gallons of water, and apply

with syringe or pump.

PARIS GREEN.

1/4 Lb., 10c. Lb., 25c. By mail, 40c.
PURE WHITE HELLEBORE.

The cheapest and best preparation for destroying rose slugs, currant worms, etc. 1/4 Lb., 10c. Lb., 30c. By mail, 45c. per Lb.

FUMIGATORS.



No. 2—Height, 16 inches.
For a house 12x40 feet.
Price, \$1.75.
No. 3—Height, 20 inches.
For a house 15x100 feet.
Price, \$2.25.

TOBACCO STEMS.

Indispensable for fumigating greenhouses and conservatories for the destruction of green and black aphis and other insects.

5c. Lb. Large quantities, 3c. Lb.
Dampen thoroughly a few hours before using, place about a half-pound over a handful of shavings in a fumigator, and light.

5c. Lb. 100 Lbs., \$1.00.

PINNER'S TOBACCO SOAP. Lb., 40c. By mail, 55c.

TOBACCO DUST, FINE.

For green and black aphis, feas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots.

Price—5 Lbs., 20c. 20 Lbs., 50c. 100 Lbs., \$1.25.

200 Lbs., \$2.25.

For insects on plants, apply with powder duster or bellows.

For worms or grubs in the soil, apply liberally to the surface and rake in, or strew thickly in the drills before planting.

KEROSENE EMULSION (A Paste).

Ready for use by simply adding water, 25 to 50 parts to one.

Qt., 40c. Gal., \$1.10. 5 Gals., \$4.50.

This is strictly an insecticide for plant lice of all kinds, rose bugs, cabbage bugs, melon insects, fowl, human and animal lice, caterpillars, tobacco flies, peach lice, red spiders, green fly and all sucking insects.

LEMON OIL.

Perfectly safe and harmless to the tenderest foliage and roots. It effectually destroys mealy bugs by syringing or dipping. It also destroys scale, thrip, red spider, black and green fly, caterpillar. American blight, mildew, etc. Dilute with 50 parts water. 1/2 Pt., 25c. Pt., 40c. Qt., 75c. 1/2 Gal., \$1.25. Gal., \$2. NIKOTEEN.

Is the most powerful known insecticide, and will be found more economical and convenient than weak tobacco extracts.

Price—Pint Cans. \$1.50. 5 Cans. \$7.00.

VAPORIZING PANS (for above).—50c. IRONS.—50c.

3 PANS, 3 IRONS and 1 HOOK.—\$3.00.

APHIS PUNK (Nikoteen).

Especially designed for use in private places and in houses without convenient furnaces for heating irons necessary for vaporizing NIKOTEEN, or Tobacco Extract. It is very effective as an insecticide. The Punk is lighted with a match and allowed to burn, which it does without flaming, at the same time giving off dense white fumes of nicotine that kill aphis and thrip very effectively.

Per Box, 60c. Per 12 Boxes, \$6.50.

PILLAR CATTER.
For preventing insects crawling up trees.
Yd., 15c. 100 Yds., \$12.50. Easily applied.

SLUG SHOT.

NON-POISONOUS powder, and a very popular insecticide; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effectual in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. It will be necessary, however, to apply it occasionally, for it does not kill the eggs or prevent them from hatching. The best time to apply it is early in the morning, particularly for potato bugs, as they do not feed during the night. Apply with duster, bellows or gun. Ten to forty pounds is sufficient for an acre.

5-Lb. Ph.gs., 25c. 10-Lb. Ph.gs., each, 45c. 25 Lbs., \$1.00.

\mathbf{BUG}

TESTIMONIAL.

Baltimore, May 5, 1901.

I have seen BUG DEATH used, and know of farmers in New Hampshire who have never been able to raise Pumpkins or Cucumbers until they used BUG DEATH, and have had no trouble since.

o trouble since.

E. W. HUGHLITT,

Late of the Firm of A. H. Britton & Co.,

Concord, N. H.

DIRECTIONS FOR USING IN WATER.

Add 12½ pounds to 80 gallons water, and mix thoroughly.



PERFECTION SHAKER.

65 cents. For applying Bug Death to potato vines.
RUBBER ATOMIZER.
75 cents.

For applying Bug Death to currant bushes, cucumber, squash and other small vines, bushes, house plants and poultry.

WHALE OIL SOAP.

Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees

and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

Price—Cake, 10c. Lb., 15c. 5 Lbs., 60c. 9 Lbs., \$1.00.

Large Quantities at Special Prices.

For insects on plants, dissolve one quarter pound to a gallon of water; apply with syringe or spraying pump. For bark insects, etc., dilute with water to consistency of thick paint, and apply with brush.

"THYMO-CRESOL," ENGLISH COLD-WATER SHEEP DIP.

A gallon makes a hundred gallons for most uses. A world-famous dip, and, besides, is unexcelled as an internal and external remedy for animal wounds and skin diseases, for killing animal parasites, mixing with whitewash for trees, chickennai reinedy for animal woulds whitewash for trees, chicken-animal parasites, mixing with whitewash for trees, chicken-houses, kennels, etc. Price-Pint Can, 45c. Quart Can, 60c. 1-Gallon Can, \$1.75.

ION BRAND BORDEAUX MIXTURE THE REAL PROPERTY.

BORDEAUX MIXTURE.

A valuable and indispensable fungicide for grape growers, thereby insuring larger crops and finer grapes, and preventing failure.

A sure cure and preventive for black rot, mildew and rust.

Also of great value for other plants with kindred diseases.

\$1.10

Mix one part of this to 50 parts of water.

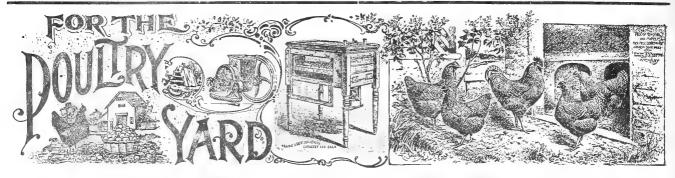
BORDEAUX MIXTURE.

READY FOR USE BY SIMPLY ADDING WATER.

Price—1-Lb. Box, 15c.
Makes 5 gallons spray.

Price—5-Lb. Box, 60c.
Makes 25 gallons spray.

FOR CHILD'S 'SO-BOS-SO' OR 'KILL-FLY,' FOR HORSES AND CATTLE, SEE PAGE 65, FOR OTHER INSECTICIDES, SEE PAGES 65 and 70.



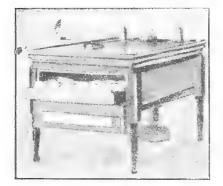
PRAIRIE STATE INCUBATORS AND BROODERS.

PRICES ON PRAIRIE STATE INCUBATORS AND BROODERS have been considerably reduced. Every machine is constructed of the very best material, finely finished, self-regulating, baving automatic turning tray which is a very strong feature, and all machines are built over the same pattern. One machine will do just as good work as another, and no one need hesitate to send us an order for any style or size that the (ompany manufactures. We warrant the machines first-class in every respect, and if the purchaser finds they are not as we advertise, they are at liberty to return them and we will refund the money.

Brooder.

Outdoor

Hot-Air



No. 2 Baby, 100 Eggs.

Capacity (30 Bers, 100 Ber LIST Raby, Style ы Ö નંદર્શનંદર્શ જ ન લઈ જ Œ



STYLE C, HOT-AIR OUTDOOR BROODER-

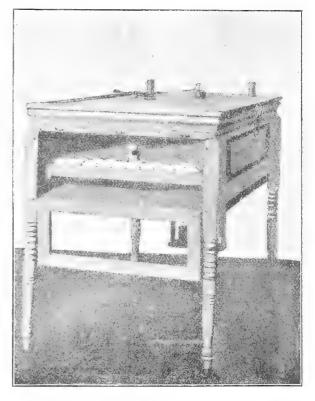
Price. \$12.00 16.00

STYLE D, HOT-AIR INDOOR BROODER.

The simplest and cheapest on the market.
Capacity. Weight, Crated. No. 1 Capacity.
No. 2 80 chicks.
No. 2 125 " Price. \$7.00 9.00 60 lbs. 85

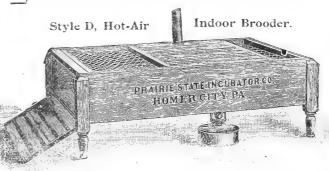
STYLE A. HOT-AIR BROODER, WITH RUNS

(Self-Regulating Top and Bottom Heat.) Capacity. Weight. (rated. 100 Chicks, 100 lbs. 200 " 120 " Price. \$13.50



Style A. Incubator.

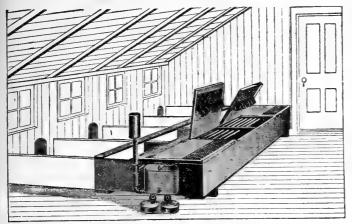
Prairie State Thermometers special tested. Metal, 75 cts.; postpaid. Burners for No. 1 Incubator Lamp, 25 cts., postpaid; for No. 2 and 3 Lamps, 35 cents, postpaid. Lamps for No. 1 Incubators. 65 cts.; for No. 2, 75°cts. Egg Tester, 35 cts., postpaid. Brooder Lamps, 75 cts.



CONTINUED.

Fountains.

PRAIRIE STATE SECTIONAL BROODER, Style B, Hot Water.



Vegetable and Root Cutter.

This Brooder is intended for small or portable Brood-houses, or run in connection with the pipe system and hot water stove. It is very simple, easy to operate, easy to clean, and not hard to move from one place to another. It is provided with a movable floor that can be raised or lowered instantly. be raised or lowered instantly.

No. 2, 200 chickens....**\$19.00** No. 3, 300 chickens... **24.00** No. 4, 400 chickens... **29.00**



Chick Manna, or Health Food

FOR LITTLE CHICKS.

This preparation is specially prepared for little chicks when first hatched This should be the first and only food, and continue for 0 each package. 1-lb. pkg., 10 cts; by mail, 25 cts. 5-lb. pkg., 40 cts. 15-lb. pkg., \$1.10. 60-lb box, bulk, \$4.20

DEATH TO LICE.

A Disinfectant Insect Powder.

This powder is unrivalled as an insecticide; handy to use, cheap to buy and does the work quick.

1000000000000000000000000000000000000				
15 oz. package	\$	25	Postpaid	40
48 oz. package		50	Postpaid	1.00
100 oz. package	. 1	.00	By Express	

LEE'S LICE KILLER

is the result of long experiment with various insecticides and possesses the unique advantage of not requiring contact with the vermin to kill. Being a liquid paint, it has manifold advantages over any form of powder or liquid; it is easily applied to roost-poles and about the poultry-house, and kills all vermin, mites, bed-bugs, etc., that have their lodging in the cracks and

Price, quart, 35 ets.; half gallon, 60 ets.; gallon, \$1.00; 5 gallons, \$4.00

PERSIAN INSECT POWDER. Per lb., 40 cts.; 5 lbs., \$1.75.

CAST IRON POULTRY TROUGHS.

No. 0-8 inches long, 3% inches wide at top, 1% inches deep.....20c. -29 inches long, 4 inches wide at top, 1½ inches deep.... 100c. 22-23 inches long, 7 inches wide at top, 3 inches 50c. deep...



18 inch.....\$1 00 1 25

POULTRY NETTING.

For enclosing poultry yards.

The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

		Pr	ices Two-	-Inch A	desh.		
No. 19,	in. wide.	sq. ft.	per bale.	No. 20,	in, wide.	sq. ft.	per baie.
6.6	12	150	\$.75	6.6	12	150	\$.79
6.6	18	225	1.12	6.6	18	225	1.08
6.6	- 24	300	1.50	6.6	24	300	1.35
6.6	36	450	2.25	4.6	36	450	2.03
6.6	48	600	3.00	6.6	48	609	2.70
6.6	60	750	3.75	6.6	60	750	3.37
4.6	72	900	4.50	6.6	72	900	4.05
Pric	ce. 1 cent	per sq	. ft. in les	s than l	pale lots.	Stapl	les for
		faste	nin≥, 10 ce	nts per	pound.		

THOMPSON'S JR. BANNER NO.

THOMPSONS

BANNER ROOT CUTTER

NO7

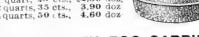
Dozen. \$3,25 5.00 7.00 No. 1, 2 qts. 30 cts. No. 2, 4 qts. 50 cts. No. 3, 8 qts. 75 cts.

Galvanized Drinking

Baltimore Fountains.

EARTHENWARE.

1 quart, 25 ets., \$2.50 doz, 2 quarts, 35 ets., 3.90 doz 4 quarts, 50 ets., 4.60 doz



THE SAFETY EGG CARRIER

Trays are easily removed and can be turned bettom up without spilling an egg. The ergs can be taken from the cases in a moment's time by simply removing the trays, showing just what the contents may be. Every egg is wholly visi-The eggs can

30	dozen	Carrier,	Trays	and	Case	combined,		.9	2.	5	0
16	6.6	6.6	6.6	**				٠	60.	v	v
12	6.6	4.6	6.6	6.6	54				1.		
6	6.6	4.5	b 6	6.5		6.6	٠		1.	4	a

Suitable for a Flock of 50 to 1000 Fowls.—Cuts roots and vegetables into fine chicken eed. Capacity one bushel in about five minutes. Price \$5.00.

CAPONIZING TOOLS.



GAPE -EXTRACTOR.

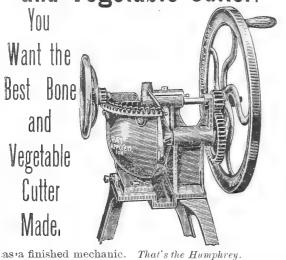


PRICE 25 CENTS EACH.

JLTRY YARD CONTINUED.

BONE CUTTERS, MILLS, Etc.

The Humphrey Green Bone and Vegetable Cutter.



N construction the Humphrey is entirely unlike any other bone cutter made. We have kent in mind the We have kept in mind the necessity of producing a powerful cutting action, sufficient to attack and reduce the large bones of a beef, at the same time requiring no more motive power than that furnished by the right arm of a healthy boy or a woman. The knives of the Humphrey Cutter act upon the shear principle, producing a granulated cutting, without question the best form in which to feed green bone. Chickens are not so apt to gorge themselves with the bone in this form as they are when it is reduced to a salve-like hash. This is a vital point, to which poultry raisers will do well to give especial attention. It is possible with green bone, as with everything else, to have "too much of a good thing." When bone is ground to a salve-like hash, the fowls are very apt to gorge themselves and produce crop bound. We have carefully guarded against the fault; the Humphrey cuts the bone "just right."

You want the cutter which will do the most work in the shortest

THE HUMPHREY CU

That's the Humphrey.

You want the cutter which does not require you to stop cutting to unpack the bone tightly jammed in the cylinder. That's the Hum-

You want the cutter which reduces the bone to the best condition for feeding. That's the Humphrey.

You want the cutter which will cut both bone and vegetables.

That's the Humphrey.

You want the cutter that an eight-year-old boy can take out the knives, sharpen them on a common grindstone and replace as readily

You want the cutter which works with the least fuss and bother. That's the Humphrey.

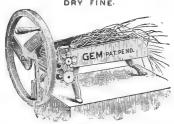
You want the cutter that is easily kept clean. That's the Humphrey.

You want the cutter which requires no hacking of the bones with an axe. That's the Humphrey.

		Hand Power \$12				
6.6	2	Semi "	5 50	" 4	Geared "	45 00
6 6	$2\frac{1}{2}$	Hand and Power	7 00		•	

THE GEM CLOVER CUTTER.

ALL IRON AND STEEL. CUTS GREEN OR



with legs..... 10 00

The Webster Clover Cutter

This is just the thing for small poultry yards. Does nice work. Price.....\$3 50

MANN'S CLOVER CUTTER.

Made entirely of Iron and Steel. Price, with balance wheel..... \$ 8 00

Mounted on Iron Stand...... 10 00 MANN'S BONE CUTTER. No. 1 B, with balance wheel.... \$ 8 00

No. 4 B, " No. 1 BM, " " 12 00 Mounted on stand...... 10 40 No. 4 BM, with balance wheel, Mounted on stand...... 15 00

No. 6, Post Bone Cutter...... 16 00 No. 2, Standard Bone Cutter..... 18 40

No. 10, Small Power Cutter..... 26 00

Wilson's Crown Green Bone Mill.



This machine is especially made for cutting Green Bone with meat on, right from the butcher, or offals of bone and meat from the table.

Turns easy, fine and fast.

With Stand......\$9 00 Without Stand



Wilson's Bone and Shell Mill.

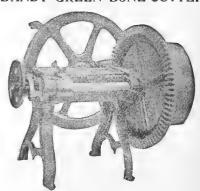
No. 1.—Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used. Price, \$4 00.

Will also grind corn.

No. O For Grain Only.

An excellent mill for grinding grain of all

DANDY GREEN BONE CUTTER.



This is one of the simplest and best cutters made. Has automatic feed. The knives are made from the best tool steel and finely tempered. There is one plain and two corrugated knives. Can be changed to cut coarse or fine.

OUR No. O DANDY.

GEARED DANDY CUTTERS.

The geared machines will cut faster, and having four knives will cut just as fine as the

No. 12. "with split nut... "15 00 No. 13. "for power. "20 00 Pulley for belt. "20 00

YARD CONTINUED.



The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also an excellent medicine for horses, cattle, sheep and hogs. All who have used Haven's Climax Condition Powders once will have it again.

13-oz. package 25C 32-oz. packages, 50C

WIRE HEN NESTS. 25C each; \$2 50 per dozen.



Lice Killer and Nest Egg

Lasting, Effective, Not Expensive.

Do not affect the flavor of the egg or injure it for hatching.

loc. each; soc. dozen.

CLIMAX LEG BANDS.

Made of spring brass, and so made that the tag acts as a clasp, holding them securely in place. Price, per dozen, 20c. Per 50, 60c. Per 100, \$1 00

PORCELAIN NEST EGGS.

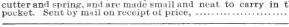
The best and cleanest nest egg used. Each, 5 cts. dozen, 25 cts.-by mail, 50 cts



POULTRY MARKER.

This little instrument is used for marking young and old chickens. It is invaluable to breeders and farmers. They are made in two sizes for large or

small chicks; nickle-plated, have steel cutter and spring, and are made small and neat to carry in the vest



FRENCH POULTRY KILLING KNIFE

The most expeditious and humane way of killing and dressing poultry

KAFFIR CORN—Red or White.

Makes excellent food for poultry or pigeons, either fed in the grain or ground and cooked. Also an excellent forage plant. Sow four to five pounds to acre. 5 lbs., 25 cts. Bushel, \$1.25.

PIGEON FOOD.

CANADA FIELD PEAS—Peck, 40c.; bushel, \$1 25. BUCKWHEAT—Quart 10c; peck, 40cts. HEMP SEED—Pound, 8cts.; 4 pounds, 25 cts.

GRANULATED CHARCOAL.

A little ground charcoal, mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls, and koeps them healthy.

1 lb., 10c; 5 lbs., 30c., 10 lbs., 50c.; 25 lbs., \$1.00; 100-lb. bag, \$3.50

CLOVER MEAL FOR POULTRY.

By all odds the best and most economical way of feeding clover. Can be fed in mash with other food. 50-lb bag, \$1.25; 100-lb bag, \$2.00

CUT CLOVER HAY.

Excellent food for winter and early spring. 50-lb. bag, \$1.25; 100-lb. bag, \$2.00

GROUND BEEF SCRAPS.

Our ground beef scraps are especially prepared. Feed three times a week at the rate of about a handful to every three birds in the morning meal of hot food. During warm weather the scraps need not be fed more than once a week. 5 lbs. 25c; 10 lbs. 40c; 50 lbs. \$1,25; 100 lbs. \$2,25

MEAT MEAL.

This is a true egg-producing, flesh and bone-forming food, and supplies just what laying hens and growing chicks require. It is not a medicine. It is fed with other foods. Fed to small chicks about three times a week will promote health, growth and vigor. 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.25

CRACKED POULTRY BONE.

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. The bones are extra selected, being first boiled to remove the meat, and then ground. No chemicals whatever are applied move the meat, and then ground. No chemicals whatever are applied to them in the course of manufacture, so that they are turned out green and pure. Should be fed to the poultry daily, about a handful to every five fowls, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. 51bs. 25c; 101bs. 40c; 351bs. \$1.00; 1001bs. \$2.25

BONE FLOUR FOR POULTRY.

For mixing once a day with soft feed this is unsurpassed. Laying hens and young chickens, whose digestive powers are not strong, are much benefitted by this, especially during winter months, or where closely confined in vards. This is exactly the same as the cracked bone described above, only it is ground much finer.

5 lbs., 25c.; 10 lbs., 40c.; 50 lbs., \$1.00; 100 lbs., \$2.50

CRUSHED OYSTER SHELLS.

This is a most important article for the poultry yard through the winter, and should be liberall, supplied to the fowls. In summer, when left to run at large, they can find their own shell-making material, but when everything is frozen or covered with snow, they must be helped out if eggs are wanted. 5 lbs., 10c.; lt0-lb. bag, 50c.; 500-lb. bag, \$2.00 special prices in large quantities.

MICA CRYSTAL GRIT AND MANN'S GRANITE.

To aid digestion it is necessary to feed some gritty material.
These supply this want better than any other article known.
5 lbs., 15c.; 100 lbs., 90c.; 200 lbs., \$1.75; 500 lbs., \$4.00

SUNFLOWER SEED.

Highly recommended for poultry as one of the best egg-producing foods known, keeping them in good condition.

Lb. 8c.; 5 lbs., 25c.; 100 lbs., \$3.50

By mail, 400 5-lb. box \$1 00

HAVEN'S ROUP PILLS.

Sheridan's Condition Powder.

Strictly a medicine to be given in the food, once daily, in small doses. Prevents and cures all diseases of hens. Worth its weight in gold when hens are moulting. Price, small packages, \$25., 5 for \$1.00; large packages, \$1 00, by mail \$1.25; 6 large packages, \$4 00, by mail \$1.25; 6 large packages, by express, \$5.50.





Rust's Egg Producer-

This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. So moderate in price, it should be used winter and summer.

1-lb. package, 25c., 2½-lb. package 50c., 6-lb. box, \$1.00.

If to be sent by mail, add 16 cents per lb. to pay postage.

TS POULTRY

FnDD

Pratt's Poultry Food will make hens lay all the year, and is excellent for feeding young chicks. For large fowls mix one oz. with the food for 15 or 20. For 15 or 20 chicks give % ounce every other day. 1%-1b pkg. 25c; 5-1b pkg. 60c; 12-1b bulk \$1.25; 25-1b bulk \$2.50.

Pratt's Food for Horses. 7 lbs, 50c; 12½ lbs, 75c. 25 lbs., \$1.50.

Pratt's Animal Regulator, 25c. package.

SCRATCH FOOD.

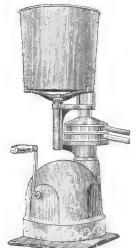
This is a mixture of grain, etc., designed to

· TRADE MARK REGISTERED make chickens scratch, which exercise is highly beneficial.

8 lbs., 25c.; 25 lbs., 50c.: 100 lbs., \$1.50

SHARPLES' Cream Separators.

Buttercup" Hand Separator.



AQUATIC (REAM SEPARATOR NIED JUNE 7, 1898

This new tubular bowl machine fully meets the demand for a practical and efficient Separator of less capacity than our other sizes and at a correspondingly lower price.

The materials and construction employed in this machine are of the best quality, and it can be easily run to its full capacity with one hand by a woman or

Points of Superiority of the Buttercup over any other small hand Sepator are as follows:

Simplicity of construction and consequent durability.

Phosphor-bronze gear instead of com-

mon brass as used in some other kinds. Great reserve capacity (as by speeding up the machine the quantity separated can be increased fully fifty per cent).

Simple bowl construction, admitting of perfect cleaning in a few moments.

Greater separating capacity in proporto price than any other machine on the market

THE

S Hand Separator.

Capacity, 300 Pounds of New Milk Per Hour, Price \$75. 1s Furnished Complete, Without Legs or Table.

This machine is fully equal in every respect to any \$100.00 machine of any other make.

Power Machines are described in a little booklet which we will be glad to forward free on application.

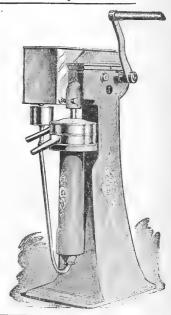
Tubular Hand Separator.

Suspended Bowl, Bottom · Feed, Low-down Supply Feed, Low-down Supp Can, Easy Running, No Discs.

These tubular dairy machines mark a new era in the construction of Dairy Cream Separators.
The bowl of the 650 pound machine is only 2½ inches in diameter and weighs less than seven pounds, including every revolving part, and requires even less power to run it at its full capacity then any 300 pound per hour

power for un it at its full capacity than any 300 pound per hour hand machine in existence.

The scientific production of centrifugal force in its highest degree is attained by the use of our tubular bowl, by which means results are secured that have hitherto hear impossible have hitherto been impossible with any Separator ever made. All the objectionable features of discs, cones, cylinders and other devices introduced in the bowl to facilitate separation, together with their attendant expense and maintenance, and the great amount of time and work re-quired to clean and keep in per-tect working order are forever done away with in the tubular bowl, and by reason of its small bowl, and by reason of its small size and light weight the power necessary to run it to its fullest capacity is reduced to a mini-mum. NO DISCS, PLEASE RE-MEMBER.



PRICES.

Buttercup No. 1, ca	pacity	175	lbs. per	hour	·	-	50.00
IN U. A.	6.0	265		6.0			65.00
W H S Hand,	4 (300		4.6			75.00
No. 1 Safety, Hand.		325		6.6			100.00
No. 4 Tubular,	6.6	450	4.4				100.00
No. 6	6.6	650	6.6	6.6		- 1	125.00
No. 9 "	b 5	875	6.6	6.6			150.00
Pulley Power Atta	ich m ei	at (€	extra'				2.50

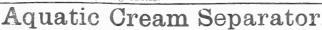
PURITY OF PRODUCT.

you wish to term it so, is left in the milk or cream.

THERE is no subject receiving more attention at present among bacteriologists than disease germs existing in milk; especially is this true of the tubercular or consumptive germs.

It is a recognized fact that in milk set by the gravity system, all of the bacteria matter or filth, if the milk or cream. Anyone who has not seen the parts of a machine cleansed after separating would be amazed at the quantity of dirty, shiny, sickening matter that is washed off the parts. Especially may this fact be noted with the SHARPLES' SEPARATORS.

Contained in this filth are the disease germs that one has been pouring into his system, unconsciously bringing disease and death on himself, his family or his friends. Some physicians are advocating separator milk as preferable to mother's milk for young babies.



A NEW SEPARATOR to separate cream from milk by the application of the dilute process—which intensifies gravity and greatly increases the specific gravity, making a more thorough separation. With this separator you can secure your cream in two hours' time, and for the rapid and clear separation it has advantages over anything in this line which has ever been offered to the dairymen of this country.

The milk goes direct from the cow into the Separator, and you don't have to bother to get the milk to anyteriain temperature in order to get out the cream quickly. The cream obtained from the milk is uniform, most free from taints, smooth and sweet. This new Separator has no cranks to turn, no machinery to run and keep in order, no repairing expenses, and will get the cream in 30+160 minutes' time. All that is required is ordinary well water.

By using this Cream Separator the separating may be done in any convenient place, as the milk goes direct from the cow to the Separating may be done in any convenient place, as the milk goes direct from the cow to the Separator. No machinery to run or look after. No ICE REQUIRED. No chemicals used. Will run itself while you are doing other work. Within 30, to 60 minutes the cream is all raised, you turn the faucet, draw off the milk, then the cream, wash the Separator, and the job is done.

To supply the increasing demand for Separators that will separate one cow's milk just as well as it will tour, we have added No. 1, which sells for \$7.

Price List of Aquatic Cream Separators.

No. 0, capacity 7 gallons for 1 to 2 cows, 60 lbs milk per day	5.00
No. 1, capacity 11 gallons for 2 to 4 cows, 100 lbs. milk per day	7.00
No. 1½, capacity 18 gallons for 3 to 4 cows, 150 lbs milk per day	8.00
No. 2, capacity 30 gallons for 5 to 7 cows, 200 lbs milk per day	9.00
No. 3, capacity 50 gallons for 8 to 15 cows, 400 lbs, milk per day	11 00
Directions Furnished With Each Separator.	



Rice's Calf Weaners

Also prevents cows from sucking themselves.

No 1, for Calves, **30c.**; by mail, **35c.** No.2, for Heifers, **50c.**; by mail, **56c.** No. 3, for Cows, **75c**; by mail, **85c.**

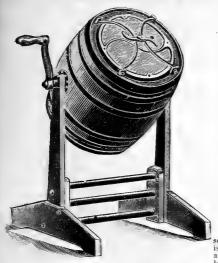
Floating Glass Thermometers

Price, 25 Cents Each.

Eight-inch Dairy Thermometer, stands boiling water. Price, 50 Cents Each.



The Baltimore Favorite Churn.



IMPROVED CEDAR CYLINDER CHURNS.



There are a number of Cylinder Churns on the market sold at a .wer price, but they are made of pine or other inferior wood, while these are all of selected cedar, free of knots.

	Retail price	. List price.
No. 1, 234	gals \$1.75	82.50
No. 2, 4	gals 2.00	3.00
No. 3, 7	gals 2.25	3.50
	gals 2.50	4.00

ACME BUTTER WORKER.

The Greatest Labor Saver for the General Butter Maker ever Introduced.



A glance at the cut shows its simplicity, how it sets on a table or bench, held fast with a neat little clamp, leaving both hands free to work the butter.

It is the only worker made in which butter can be washed (same as in a bowl), then the waterdrawn off and the butter worked without delay. It is lightweighing but 10 pounds, working anywhere from 2 to 10 pounds and doing it so easily and quickly that 50 pounds can be handled in a very few minutes. It is well made of the best poplar and maple lumber with all iron parts galvanized.

Several parties making from 25 to 50 pounds of butter a week are now using it. Price, \$2.00.

It is made of thoroughly seasoned material. It is finished smooth inside as well as outside. The iron ring head is strong, and not hable to break.

The balls are fastened to the iron ring, where they need to be fastened. We furnish Pulleys for power. Prices extra, according to size desired. Directions for using in each Churn.

Write for Special Discount for Cash.

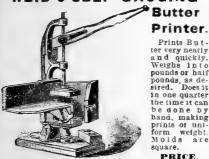
E 2011	
List price.	Retail price.
No. 0, 5 gal. to churn 2 gals. \$8.00	84.00
No. 1, 10 gal, to churn 5 gals. 8.50	4.25
No. 2, 15 gal, tuchurn 7 gals. 9.00	4.50
No. 3, 20 gal, to churn 10 gals. 10.00	5.00
No. 4, 25 gal, to churn 12 gals. 12.00	6.00
No. 5, 35 gal. to churn 17 gals. 16.00	8.00
No. 6, 60 gal, to churn 30 gals. 26.00	13.00
No. 7, 75 gal. to churn 37 gals. 30.00	15.00
No. 8, 90 gal, to churn 45 gals. 35.00	17.50

REID'S BUTTER



110. 1 204.00 12.92 IHCHCS	JU 1199.	40 108	310.00	32.00
No. 2-20x36x2/2 · "	30 **	29 **	8.00	6.40
No. 3-17x27x2½	20 "	25 14	7.00	5.60
No. 4—14x24x212 11	10 41	20 **	6.00	4.80
Larger size, especially designed for mixing	ig, re-workir	g and coloring, or	for creamery use.	
INSIDE MEASUREMENT.	CAPACITY.	WEIGHT.	LIST PRICE.	RETAIL PRICE.
No. 0-23x37x3 inches	75 lbs.	60 lbs.	812.50	89.38
No. 60-23x56x3 '	112 **	80	15.00	11.25
No. 000-23x72x3 "	150 "	100 **	18.00	13.50
When desired, we can send legs along wit	h any size r	nachine for \$1.0	0 extra, which can	be set up after ar-
rival at destination.				•

REID'S SELF-CAUCINC Butter



Prints Butter very neatly and quickly. Weighs into pounds or half pounds, as desired. Does it in one quarter the time it can be done by hand, making prints of uniform weight. Molds are square.

Prints But-

PRICE.

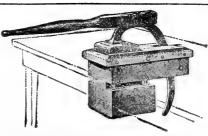
Either pound or half pound	\$10.00
Both pound and half pound combined	13.50
Extra for initials and monograms	1.50

Lafayette Butter Printer.

This is also self-gauging. Intended for use in creameries, but more especially for reprinting. Very simple and handy.

Either pound or half pound with table \$15.00 Either pound or half pound, without table. 10.00

Hillian Cali



TER BOXES.



Are made of well-sessoned lumber, iron-bound at the edges and capped at the corners. Malicable iron decorners. Malleable iron de-tachable hinges and corner plates combined. The "our sides of 'he trays are sur-rounded by a non-conduct-ing air space. Malleable iron chest handles are well secured to the sides of the box. These boxes are specially suited for square or oblong prints.

	y,20 lb, P	rints	١.											 		 		83.75
	30-1b.	**				 												4.25
	40-1b.					 												4 75
**	56-1b.	9.4										_	_					5.00
• •	80-1b.																	5.50
••	96-1b.																	5.75
٠.	120-lb.	**																6.00
••	36-½ lb.																	4.50
	64-1/2 lb.																	5.25
• •	80-½ lb.																	5.50
- 4	100-½ lb.																	
4.	120-1/2 lb.																	6.00
	140-1/2 10.		•	•	•	 	•		•	٠	•	٠	٠	• •				6.50

BUTTER PRINTS AND MOLDS



Moore's **Pyramidal** Milk Strainer.

With Rest Without Rest Wells, Richardson & Co's Butter Color.—Will not color the Buttermilk. Price, 25 and 50 cts. per bottle.

Parchment Butter Paper.

In sheets 24x36, or can furnish the paper cut in the following sizes without extra charge: 6x9 for half pounds, 9x12 for one pounds, and 10x15 for two pounds. Price, 20c. per pound; by mail, 35c.; six pounds, \$1.00.

Butter Ladles. Price. Butter Paddles. Price......10c.



BALTIMORE PATTERN.

The Baltimore Pattern.

HIS CUT illustrates it. It is the standard "Iron Clad" Baltimore Pattern Milk Can. Smooth inside surface, without crevices or protruding rivet heads, which enables Cans to be easily, quickly and thoroughly cleaned.

"Iron Clad" Milk Cans are made of steel and heavily tinned by the hand dipping process AFTER they are formed.

Look for the Trade Mark "Iron Clad" stamped in each and every Can. No other tin-plate Cans bear this trade mark.

We also carry a cheener Can known as the Compensation of the comp

We also carry a cheaper Can, known as the Competition Baltimore and the Competition Iowa (see below), in order to meet the demand for a lower-priced article. They are well made, but not so heavily tinned. Our charge for marking name on Can will be 25 cents each.

THE BALTIMORE PATTERN.

20-qt...\$2.40 30-qt...\$2.75 40-qt...\$3.00 Second Quality or Competition Baltimore, 20-quart, \$2.20 Marking names on all Cans, 25 cents. 40-at..... \$3.00

The Iowa Pattern.

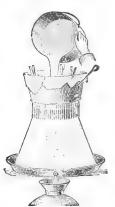
32-qt
Second Quality or Com-
petition Iowa.
Price.
20-qt \$1.65
32-qt 1.85
40-qt 1.95



Price. 20-qt \$1.90

Marking names on all Cans, 25 cts. each.

CHAMPION Milk Cooler - Aerator. Automatic



The Champion Milk Cooler-Aerator consists of three parts. FIRST.—The Cooling Drum. An open-top cone made of the best quality heavy tin, and provided with a heavy galvanized iron bottom. This drum is provided with an inlet pipe and an overflow pipe, and at the bottom with a trough to collect the milk, it is vented at the top to allow the escape of the rising vapor: it is also painted inside with a heavy coat of anti-rust paint. When running water is used the inlet pipe is to be connected by hose with the water supply, which entering the bottom forces itself up through the cone, and the warm water being lighter rises to the top, passing off at the overflow pipe. If ice water or well or spring water are used the inlet pipe may be closed and the drum filled from the top.

SECOND.—The Milk Receiver and Strainer Combined. This is also of tin and fits tightly over the cooling drum, and is provided with a circular row of perforations so arranged as to deliver the milk in the streams, at some distance below the top of the cooling drum. This receiver has a nitched bottom, hence every drop of milk will run outreadily. When the milk strikes the cooling drum it spreads in a thin sheet over the surface and passes down to the trough, from which it is delivered into the can through an outlet provided.

THIRD—An Agitator. This is an iron rod with a tin disc on the end. This rod is allowed to project through the ventilating tobe, and when running water is not used, the cooling medium, wh-ther it be ice, co d well or spring water, should be occasion-this rod to force the cool water to the surface of the cone.

who ther it be ice, co d well or spring water, should be occasionally agitated by means of this rod to force the cool water to the surface of the cone.

JOPPA, HARFORD COUNTY, MD., August 22, 1901.

Griffith & Turner Company: GENTLEMEN: I herewith hand you my check in settlement of account for the Milk

Cooler The Champion Milk Cooler has given entire satisfaction, and I believe does all that the

manufacturers claim for it.

Very truly,

E. L. ROBINSON.

Stoddard Creamery.

With or without special refrigerator, thorough in construction, simple in operation, accurate in its working.

Family Class. Each can holds 242 gallons. Plain With Special Creamery. Refrigerator. \$20.00 No. No. of Cans. of Cows.

3 3		26.00	\$31.00
4 4 Dairy Class	5 to 6 Each ca	32.00 in holds 5 gal	37.00
No.	No.	Plain	With Special
No. of Cans.	of Cows.		Refrige rator.
2	7 to 9	$\frac{$25.00}{31.00}$	\$36.00
4 4	10 to 12 13 to 15	$\frac{37.00}{43.00}$	42.00
5 5	15 to 18	49.00	48.00 54.00
8 8	20 to 24	61.00	66.00
10 10 12 12	25 to 30 30 to 36	$\begin{array}{c} 73.00 \\ 85.00 \end{array}$	78.00 90.00

20 to 24 25 to 30 30 to 36 10 10 12 12 Subject to special discount.

No. 2 Family Class and No 2 Dairy Class are not made with the separate refrigerator compartment unless so

ordered.

The above prices do not include partitions, nor more than one water faucet. If partitions or extra water faucet is wanted they will be furnished at §1 each.

Star Milk Coolers.

These are thorough aerators, because the water flowing upwards inside the sheets of copper becomes heated by the warm milk flowing down over the outsides: this brings warm milk and warm water together at the top of the Cooler; the milk being gradually cooled as it descends, leaves the Cooler within two degrees of the temperature of water run through it

leaves the Cooler within two degrees or the temperature of water run through it.

In the smallest size every drop of milk is compelled to flow over forty inches of surface, all on outside of machine. Will cool milk as fast as it can be milked; no ice required. These Coolers are constructed of Copper Sheet and Brass Castings, heavily tinned, and have surface enough to do the work claimed in hot weather. Will not rust; last alife time.

No. 1 Star Cooler, 60 gallons per hour....\$25.00 No. 2 Star Cooler, 90 gallons per hour.... 27.50

PRICES CHAMPION COOLER.

The following sizes of the Champion are gauged as nearly as possible to take care of the milk as fast as drawn from various sized dairies with the average number of milkers. Be sure to get one la ge enough, as best cooling results are obtained with low pressure of milk in the receiver.

	Capacity of Milk	Size of	Takes	List	Retail
No.	Receiver	Dairy	Care of	Price	Price
1	10 qts.	1 to 10 cows	2 Milkers	87.00	\$5.50
2	18 qts.	10 to 25 cows	3 Milkers	7.00	5.50
3	34 qts.	25 to 50 cows	5 Milkers	8.00	6.50
4	52 qts.	50 to 100 cows	8 Milkers	10.00	8.00
		Evtra cives on	renacial and	ere	

Prices include double cheese cloth strainer and spring pins.

STRAINERS.
Strainers of the finest mesh wire cloth (10) meshes to the inch furnished atto-lowing prices: No. 1 and No. 2, \$1.00; No. 3, \$1.20; No. 4, \$1.50.

AIRY

CONTINUED.

The Keystone Dehorning Clippers.

The practice of dehorning cattle is coming more and more into vogue. It is a mercy to the animals. Prevents goring. Does not crush the horns. No twisting motion or second cut on horn. Parts are all interchangeable, and can be replaced at any time. It is approved by referring surgeable and early dairy men. veterinary surgeons and leading dairymen.
"The horns must go, and they cannot go too soon."



Clipper, with Leader and rope, extra Blades and Screw, fully \$12.00 warranted..... 10.00

Clipper alone
We furnish a cheaper Clipper than the above that is superior to any of the cheap Clippers made, but do not reconstitute the broadly as the Kaystone, which has needed ommend it as breadly as the Keystone, which has no equal.

8.00



MILK PAIL.

Made of Best Tin.

PRICE.

No.	110-10	qts	; .	,									30c.
8-6	112 - 12	5.6											40c.
6.6	510-10	4.6											45c
6.1	512 - 12												50c.
6.4	51414	8.4			,								 60c.

SO=BOS=SO

(KILFLY).

So-Bos-so (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. The Electric sprayer discharges the So-Bos-so (Kilfly) in a fine, broad spray. From 30 to 50 cows can be sprayed in a few moments. The Electric Sprayer is detachable, and thus may be thoroughly cleaned. It can be used for spraying porato vines with Pans green, and for all other purposes that a sprayer is generally used. Price, per gallon, 75c. Electric Sprayer, 50c.



Perfection Calf Dehorner.



ANYONE CAN OPERATE IT.

This takes the place of acids and is cheaper, is not painful, no more so than extracting a loose tooth, as the young horns are not firmly set

PRICE LIST. Perfection Calf Dehorners, including sample box of Perfection Cream, and full instructions for operating, etc.: Net, Plain Net, Nickel Plated ... 5,00 Perfection Cream, per pound.

Discount on five-pound orders. GUARANTEE.

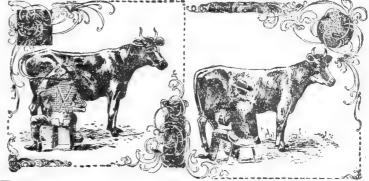
The Calf Dehorner is fully guaranteed for one year, and if from any defect it braks or gives out during this time ducheate parts will be furnished free of cost by sending us the part broken.

be furnished free of cost by sending us the part broken.

DESCRIPTION.

The perfection Calf Denor for is formed by two curved blades, which cut with a shear cut. The one is stationary, and has a "U" shape edge, which it is to the flesh and holds the instrument in position, and is adjustable to the other by a wedge which is inserted next to the frame. The other, which does most or the cutting, is hinged in such a position that it cuts with a down and then an upcut, which scoops out the horn. It has a lever which moves one bade and ishinged to the frame. There are two han tles, so that it can be held firmly to the head. It will dhorn calves from two weeks to three months old. It is 16½ inches long; weight, 2½ bounds, and opensity inches. The frame and lever are made oble iron; the blades are of the best steel.

Trapp's Patent Cow Tail Holder.



Easily and quickly Operated. Holds the Tail Firmly. Does not Irritate or Make a Cow Kick.

In order to be fully supplied with the Holder each milker should have two, one for the cow being milked and one for the cow just behind, as very often the cow back of the milker will switch more than the cow being milked

Mr. B. S. Warner, of Salisbury, Md., is using the "Cow Tail Holder" and says he finds it the greatest comfort both to the milker and the

No Flies and Improved Sanitary Conditions Mean More and Better Milk.

A cow that is living pleasantly, and is not disturbed by insects. gains in strength and gives good milk. If your animals are troubled with lice use So-Bos-so (Kilfly). It knocks them out. Spray your poultry house with So-Bos-so (Kilfly). It kills lice, or any vermin that may

Different members of our company have tested "So-Bos-so" on their own cattle and horses, and we can assure the public that the claims of the manufacturers are correct and not overdrawn.

Put up in one-gallon cans. Price, 75c. per gallon. Electric Sprayer, price 50c.



The Banner Root Cutter.

Built in three sizes for both Hand and Power.
Simple in construction. Easy to operate. Has a
self-feeder. Separates dirt from cut feed. Cuts with
aclean cut. Does not crush, grind or tear the feed.

we can make very low prices.

The No. 16—Small Power Cutter.
With Fly Wheel and Band Wheel.
Supplied with crank also for hand use. Capacity by hand, 30 to 50 bushels per hour. Capacity by power, 2 to 3 bushels per minute. Our Retail Price, \$13.00

REGULAR 3-KNIFE KRAUT CUTTER, with Sliding Box, 8x26 inches. Price, \$1.25

20 gallon size, made to burn wood only; 35, 50 and 100 gallon sizes made to burn coal or wood. These cookers are as good

as the best on the market. We have used every pre-caution to make them out of the best materials and

in a workmanlike man-ner. The boiler is made of No. 14 heavy galvan-ized steel. The furnace complete consists of door

complete consists of door frame, grate, plate, hearth and legs. The legs are cast separately so they can be packed as to insure safe delivery. In other makes of cookers the legs and frames are cast together, which result in great day ger of breakage in shipping. This is one superior point in favor of our cookers. The accompanying illussestandard Reliable Stock

Shipping

Weight. 150 pounds. 175 pounds. 200 pounds.

225 pounds.

Banner Root Cutter.

NO. 7

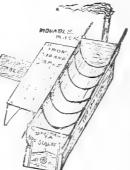
This cutter is adapted especially for poultry men and farmers or for suburban residents keeping a couple of cows. Cuts roots and vegecows. Cuts roots and vege-tables into fine chicken feed, Capacity one bushel in about five minutes.

Steel Hog Scalder and Feed Cooker.

Plain Scalder with legs, 30x18 ins. x 6 ft. \$12.00 Fire Box, as shown, 4.00 Rack (net) 2.50 Rack (net) 2.50

Table can be built out of wood on the place.

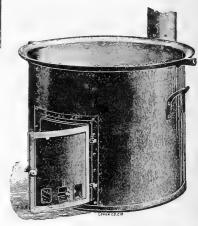
Plain Scalder does very well if placed over a ditch and fire built underneath but large deal-ers prefer Rack and Fire Box comp etc.



C. & T. BOILER AND FEED COOKER

THOMPSON'S

BANNER ROOT-EUTTER Nº 7.



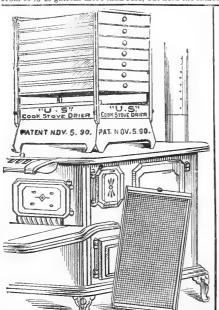
SPECIAL FEATURES.

Heavy cold rolled steel furnace; extra large feed door; wrought iron handles, firmly riveted on.
The kettles are of smooth, heavy cast iron. Door, frame and flue collar cast-iron.
Will never buckle or warp from the heat. It is designed to set on the ground or brick toundation, and is especially adapted for cooking feed, rendering lard, making soop, scalding hogs and poultry, and all work of this nature. Cast-iron flues are constructed inside this, retaining the heat and great y economizing fuel. conomizing fuel. We always ship furnace for wood fuel unless other-

wise specified.

Ret'l Furnace With Kettle. S 9.75 5.61 10.50 6.00 12.40 6.75 13.50 7.50 9.00 List of Furnace Without Kettle \$ 7.75 8.90 9.06 Ret'l Furnace List Price. \$13.00 14.00 16.50 $10.00 \\ 12.00$ 36 inches. 275 pounds. 26.00 12.00 Furnace with firepot for coal, add to list..... List Price, \$4.50 14 50 Retail, 83.25

You will notice that our kettles are rated at exact capacity, so do not overlook this when comparing our prices with other makes, as others have been usually rated at from 10 to 25 gallons more than ours, but hold the same.



gration is an exact reproduction of the Standard Reliable Stock Food Cooker and Water Heater combined. No. 0, 20 gallons, length 24 in., weight 60 lbs... \$7.50 No. 1, 35 " 10" 12.00 No. 2, 40 " 35" 130" 14.00 No. 2, 40 " 44" 158 " 15.00 No. 3 50 " 44" 175" 25.00 No. 4, 100 " 54" 175" 26.00

Diam. of

Furnace.

26 inches. 281₂ inches. 31½ inches.

inches

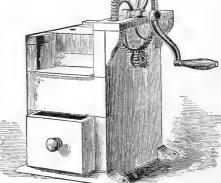
Actual Capacity.

30 gallons. 33 gallons. 48 gallons.

75 gallons

gallons

Horse-Radish Graters.



Retail. List. 7.00 \$ 6.25 8.00 7.25 9.00 8.00 With Tin Clad Cylinder for Horse Radish, \$ Steel Pin " " for Cocoanut....
" " for Horse Radish,
with Legs, Balance Wheel, Treadle,
and Crank... 14.00 12.50

Ohio Butchering Derrick.



COOK Stove Drier This a Little Gold Mine.—No labor you can perform for cash returns pays as well as that of converting wasted fruits into evaporated Stove Drier ated stock. These products are among the highest priced luxuries in food products. Evaporated Peaches, Cherries and Raspberries, 20 to 25 certs per pound; Apples, Pears, Blackberries, etc., 10 to 15 cents; all salable to or may be exchanged with your grocer for anything RECALL THE WASTE OF FRESH FRUITS on the farm or town lot FOR SEASONS PAST. PRICE, \$5.

"White Mountain Refrigerators



This Illustration Shows the Perfect Ease with Which the Ice Chamber, Shelves, Waste Pipe and Grate in a "White Mountain Grand" Refrigerator May be Removed for Cleaning. STYLE OF

White Mountain Grand Refrigerator.

Nos. 201, 203, 204 and 205.

Nos. 201, 203, 204 and 205.

The above illustration shows our "White Mountain Grand" Refrigerator made in a new form. You will note that our patent top. The basket is entirely independent from this grate, resting on same when in place, but taking out se, arately. A new and interesting feature of this Refrigerator is the fact that the shelves slide back and forth, so that an article at the back of the Refrigerator is easily obtained without reaching in for it. Trimmed with our handsome nickel-plated locks and hinges. Heavy, air-tight walls thoroughly insulated. Baseboard swings up at the front. Elegant carvings of new designs and "GOLDEN OAK" finish.

List Retail

Lbs			,	List	Retail
				Price.	Price.
				\$1×.25	811.00
203 80				26.00	15.60
204 100				29.25	17.55
205 125	36 in.	23 in.	48 in.	32.50	19.50



They are sanitary Refrigerators. They have positive dryness.
They have the best and latest scientific method of Cold Dry Air Circulation.
They are more attractively and artistically decorated than any other Refrigerator.
They are economical in the use of ice.
They preserve food perfectly.

They are economical in the use of ice.
They preserve food perfectly.
The insides of our Refrigerators are entirely lined with metal.
No wood is exposed to get damp and soggy.
The metal on both doors and covers is not tacked on or covered with a wooden moulding, but is neatly secured by an ingenious device; no sharp or raw edges are to be seen, and no wood is exposed.
Our Patent Trap positively prevents all odor from the overflow from working back into the ice

chamber.

They have heavy and thick walls with dead air space, which, with our high-grade charcoal sheathing, makes a thoroughly insulated wall, through

space, which, with our high-grade charcoal sheathing, makes a thoroughly insulated wall, through which it is impossible for warm air to penetrate.

Our Refrigerators are all furnished with galvanized steel shelves, which allow a current of cold, dry air to pass in and out among the dishes. These shelves can be kept clean, and unlike the "old fogy" stone shelves, they cannot break nor invite dampness.

The inside wall of our Refrigerators can't be seen, but nevertheless we make them an inch thick and

but nevertheless we make them an inch thick and air-tight. We have dissected a dozen of other makes, and always find a little thin 5-16 inch wall, and not

TO HOUSE-BUILDERS.

A New Departure.—Erect in the house, in the same manner as is done with wardrobes and china closets, one of our "White Mountain" Refrigerators.

The "Ice Man" does not have to come into the house

The "Ice Man" does not have to come into the house with his durty boots and dripping ice.

Every new house should have one of our Refrigerators built into the wall of the pantry.

Send for Special Refrigerator Catalogue. There is now a large demand for Refrigerators fitted with Porcelain-Lined Water Coolers, and we are prepared to furnish any Refrigerator which we manufacture, and on this way, a tear advanced in the way of \$\frac{1}{2}\$ for made in this way, at an advance in list price of \$6.50.

Retail. \$3.90



The illustration above shows our single door "White Mountain" Refrigerator made from hardwood and finished in our beautiful "Golden Oak." They are trimined with a lever surface lock of strong and handsome design and with hinges of a pattern to correspond. No mistake can be made in buying this style of Refrigerator, for they are wonderfully low in price, always sell rapidly and give perfect satisfaction to the most fastidious. Heavy air-tight walls, thoroughly insulated, swing base, sliding shelves of galvanized steel.

15 0000	9 DITTOLING DISCO	ACD OF BOST OFFI	aca becca.			
No.	Lbs. Ice.	Length.	Depth.	Height.	List Price.	Retail Price.
112	45	26 inch.	19 inch.	40 inch.	\$17.00	\$10.25
113	80	30 inch.	20 inch.	43 inch.	20.75	12.50
114	100	33 inch.	21 inch.	45 inch.	23.50	14.10
115	125	36 inch.	22 inch.	47 inch.	28.50	17.10

"White Mountain" Pine Refrigerator.

The illustration shows our single door "White Mountain" Refrigerator. These are made from the best quality of well-seasoned pine lumber, handsomely finished in the new and beautiful "Flaked Golden Oak."

NO WOOD IS EXPOSED IN THE INTERIOR.

These Refrigerators are as low in price as any in the market, and yet they are well and substantially made. Their food-preserving qualities are excellent. We use convenient surface locks made from handsomely bronzed metal, and the hinges are of the same material. Walls thoroughly in-

	Lbs.	_			List	Retail
No.	Ice.	Length.	Depth.	Height.	Price.	Price.
101	30	24 in.	18 in.	38 in.	\$12,50	\$7.50
102	45	26 in.	19 in.	40 in.	14,25	8.55
103	80	30 in.	20 in.	43 in.	17.50	10.50
104	100	33 in.	21 in.	45 in.	20.00	12,00

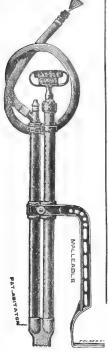
They have thick, heavy walls, thoroughly insulated; galvanized steel shelves and ice racks, and are mounted on casters that will not drop out.

"White Mountain" Ice Chests.



To.	Length.	Depth.	Height.	List Price.	Ret'l Price
1/2	27 in.	20 in.	27 in.	88.25	85.00
	29 in.	21 in.	29 in.	10.75	6.50
	3t in.	22 in.	31 in.	13 00	7.50
	35 in.	23 in.	33 in.	15.50	9.30





"Pomona" Spray Pump, WITH AGITATOR ALL WORKING PARTS OF BRASS. FIGURE 1100.

ALL WORKING PARTS OF BRASS. FIGURE 1100.

Working parts brass. No leather packing. Valves are brass; easily accessible; wing guided on beveled seats, ground to fit. Air chamber steel. Lever long and powerful, with adjustable stroke, 3, 4 or 5 inch. Solid brass plunger, machine turned, fitting gland accurately. Pump is held securely by adjustable clamp plate, made to fit either end or side of barrel, and by a small anchor located at bottom of barrel. The mechanical agitator is operated by stroke of the handle. Directions sent with each Pump. Figure 1100, Sizes. Prices. etc. sizes, prices, etc.

	Plunger. D'ble Dis.			Retail Price.	List Price.	
	Dia.	Stroke.	D Die Dis.	111001	111001	
Pump Only. With Agitator.	2½ in.	3.4 or 5 in. Adjustable.	½ in. hose. ¾ in. pipe.	\$11.50	\$15.00	l
Fig. 1100. Spray Pump with one lead 10 ft., ½ in discharge Single Lead. hose with "Seneca" (or Vermorel) Spray Nozzle. Without barrel.					18.00	
Outfit B	Fig. 1100. Spray Pump with two leads 10 ft. each. ½ in. dis-					l

Barrel Spray

Cylinder, Valves, Valve Seats and Discharge.

ALL BRASS.

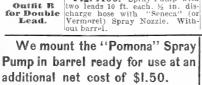
All working parts sub-merged in liquid to be spray-ed, hence no priming is nec-essary. Patent Agitator. No essary. Patent Agit comp icated parts. constant spray.

No. 305, same as above, complete with 5 ft. hose and agitator. List, 1311.00; retail, \$7.75.

No. 306 Figure 766

Complete with 2 leads of hose of ½ inch three-ply, each 5 feet long and two Myers' Vermorel Nozzles and Agitator. List, \$13.00; retail, \$9.25.

Bordeaux Nozzles instead of Vermorel 15.50 20.50 furnis ed when wanted.



Little Giant Brass Spray Pump and Fire Extinguisher.

WITH AGITATOR. Figure 639.
This Spray Pump is constructed entirely of brass. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

PRICE LIST OF PUMPS SHOWN, Retail

No. 327%, Figure 639. Bucket Brass Spray Pump, with Agitator, complete with hose and combination fine, coarse spray and solid stream nozzle.

No. 328, Figure 639. Bucket Brass Sp ay l'ump with Agitator complete with hose and combination fine, coarse spray and solid stream nozzle and an 8 ft. \$2.75 \$5.00

pipe extension

Vermorel or Bordeaux Nozzles, each 3.00 $\frac{5.50}{1.00}$

Fig. 766 Pomona Spray Pump. 0 Fig. 1100 AS MOUNTED ON END OF BARREL. See Prices Above. ANCHOR Bordeaux Nozzle

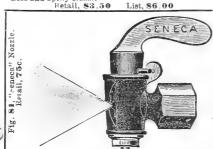
BRASS BUCKET



Fig. 1129

Figure 1129. "Bordeaux" Brass Garden and Figure 1129. "Bordeaux" Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. The Pump is double-acting in effect, has gutta-percha ball valves, proof against the action of acids and oils. Foot piece is malleable from. The pump end of discharge hove is wire wound, adding I rgely to its durability. Our 'Seneca' nozzle is furnished with Pump. Pump has no suction hose, but is set in pail or bucket with foot-ret outside. foot-re-t outside

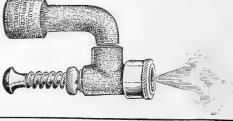
Figure 1129. Price wi hose and Spray Nozzle— Retail, \$3.50 Price with 3 feet 3/8 inch discharge



Vermorel Spray Nozzie.

Fig. 55 Each With Degorger.

One Discharge. List, \$1.00 Retai List, \$1.00 Retail, 75c.
Two Discharge.
List, \$2.00 Retail, \$1.50
Three Discharge.
List, \$2.75 Retail, \$2.00
Four Discharge.
List, \$3.50 Retail, \$2.50 Retail, 75c.



Four-Row Spraying

Fig. 1132

Attachment.



List..... \$1.00

GRIFFITH & TURNER!

KEROSENE SPRAYERS



For Emulsifying and Spraying Kerosene and Water.

(Fig. 1263.)

Many conditions are encountered under which the barrel "Kerowater" cannot be advantageously operated, as in greenhouses, work on side hills.ctc. For these

nouses, work on side fills etc. For these purposes we have introduced the (Fig. 1263) Knapsack "Kerowater."

It is provided with straps for carrying on back, or may be used with reservoir resting on ground. It embodies the same principle as described under Fig. 1187, and consists of two independent purpos operated by a as described under Fig. 1161, and consists of two independent pumps, operated by a common lever, placed in a galvanized iron tank, with divisions for oil and water. Com-bined capacity about 5 galrons. Quantity of oil used is controlled by adjustment of a single pin, and may be varied to 5, 10, 15, 20 or 25 per cent. Pump may be operated by either hand by changing lever to right or

Fig. 1263. Knapsack "Kerowater" complete, as shown in cut, with 4 feet of % inch discharge hose, "Seneca" Nozzle, and Pipe Extension 12 inches long.

THE SUCCESS KEROSENE SPRAYER

WITH REMOVABLE KEROSENE

IMPROVED COMBINATION REST AND BUCKET CLAMP.

(Fig. 649.)

In the Success Sprayer the kerosene attachment may be removed when Bordeaux Mixture or other solutions are used, and a cap, which we furnish, placed on the oil

The Success Kerosene Sprayer makes a most con-venient article for general use in spraying shade trees,

PRICE LIST.

.\$10.00

1.50

Fig 649

List.

Table Showing Uses of Kerosene Sprayers and Per Cent. of Oil Required. Uses of the Different Proportions of Oil.

Pure water will be pumped when the oil valve is closed

Seldom used

Mealy bugs scale insects and plant lice on tender plants. Horn flies on

cattle. not injure the foliage on tender

16. Scale insects and plant lice of all kinds, except on tender hot-house plants. All caterpillars exposed on leaves, cabbage worms, ants, chinch bugs on corn. Will not injure ordinary foliage.

Scale ins cts and plant lice not killed by 15 per cent. of oil. Lice on cat-tle, dogs, horses and poultry. Mites in poultry-houses. Will rarely injure ordinary foliage.

30. Lice on hogs. Fleas on cats, dogs,

Cannot be used on foliage without injury.

40. Ticks on cattle.

50. For the winter treatment of scale

Spraying is not a matter of rule, but of judgment. Know the life history of the insect or plant disease so you can spray when it will be most effective. Be prompt, thorough and persistent. Remember that fungicides are better preventatives than remedies. Practical men have found that it pays to spray every season, whether the disease is prevalent or not, simply as a matter of insurance. It is a small premium and a very good policy. surance. It

LEAF-EATING INSECTS.

Among these may be prominently mentioned the caterpillar, which has been so very destructive to shade trees, etc., in Baltimore the past season. The caterpillar is a leaf-eating insect, and for all such Paris Green is the insecticide.

lear-eating insect, and for all such Faris Green is the insecticide.

For all sucking insects use kerosene at the rate of 15 per cent of oil. Never spray fruit trees while in bloom.

If Paris Green is used on blossoms it will cause the death of the bees in the neighbor-

poultry-houses and flowers.

Fig. 649 has four feet of discharge hose with a Bordeaux Nozzle.

Showing Per

Indicator Sl Cent. of Oil.

Position of

1.25

Retail.

\$7.50

Gould's "Kerowater."

For Emulsifying and Spraying Kerosene and Water.

It consists of two pumps, one for water and one for oil, but having one common exit at the bose. Both pumps are contained within the barrel. Instead of mixing the oil and water at the suction, the emulsion is made at the discharge. Kerosene is poured into the oil tank through a marked filling hole, and water into the barrel. The amount of oil used is controlled by the proportionate stroke of the pumps. In the end of the lever are drilled a number of holes (see top of cut), into one of which is inserted a coupling pin. By removing the pin from one set of holes to another the percentage of oil can be graded from 5 per cent. to 25 per cent, easily and quickly. Figures near each hole indicate the percentage of oil the pin working in that hole will supply. The mixture is positively accurate. A brass shut-off is seen near the top, attached to the hose, to prevent pure oil from being thrown at any time.

Barrel is furnished with outfits shown below: It consists of two pumps, one for water and

FIG. 1187. SIZES, PRICES, ETC.

FIG. 1187. SIZES, PRICES, ETC.

Pump Only.—Diameter of Plunger, 2 in.;
Stroke of Plunger, 4 in.; Discharge, ½ in.
Hose.........List, \$21.00 Retail, \$15.76

Outfit A, for Single Spray.—"Kerowater"
Sprayer, with one lead 10 ft.;½ in. Discharge
Hose, with "Seneca" (or Vermorel) Spray
Nozzle.......List, \$23.75 Retail, \$17.80

Outfit B, for Double Spray.—"Kerowater"
Sprayer, with two leads 10 ft. each; ½ in.
Discharge Hose, with "Seneca" (or Vermorel) Spray Nozzle. List, \$26.50. Retail,
\$19.87.

EXAMPLE.

To make a mixture containing 15 per cent. oil (the proportion we recommend for general use), it is only necessary to fill the main tank with water and the smaller one with kerosene; turn the indicator to the 15 per cent. mark, and the apparatus is ready for use. A new proportion of oil may be obtained by simply changing the position of the indicator. When the position of the indicator is changed, however, the new proportion will not be obtained until a few strokes have cleared the mixture already in the pump

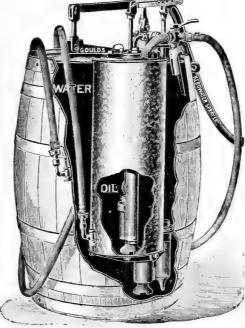


Fig. 1187

The figures on the gauge indicate the per cent. of oil to the entire mixture which will be pumped when the indicator is placed at the different per cent, marks. Thus when the indicator points to 0 the valve in the kerosene tank is closed, so that pure water will be pumped. By turning the indicator a certain amount the check valve controlling the oil is allowed to raise a definite height, thus allowing a definite amount of oil to pass into the pump cylinder. The proportion of oil does not vary except as the oil indicator is turned. Fig. 1187

FUNGICIDES.—(For Rote, Blights, Mildews and other Fungous Diseases.)

Bordeaux Mixture.—Copper sulphate (blue vitriol), 6 lbs.; quick, or stone lime, 4 lbs.; water, 45-50 gallons.

The Auto-Spray

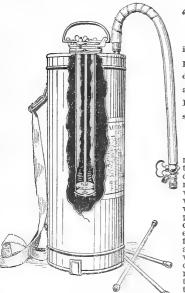
A Self-Operating or Automatic Sprayer.

WHAT THE AUTO-SPRAY WILL DO.

A few strokes of plunger in air-chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the "AUTO-SPAAY" can be charged in fifteen seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes.

Simplicity of Construction.

Attention is directed to the rigid handle, which serves as handle for Attention is directed to the right handle, which serves as handle for carrying the can; for plunger rod and for unscrewing the pump from the reservoir, also to the air-pump valve, which can be taken apart without moving a screw or fastening of any kind and in less than one second's time, and lastly to the metal top of air-pump, which may be attached readily and which cannot wear out, as in the case of other structures held in position by tacks.



"Auto-Spray No. 1."

Length of Cylinder, 21 inches; Weight, Loaded, 39 pounds: Diameter of Cylinder, 7 inches; Capacity, about 4 gallons; Weight, Empty, 7 pounds; Extension Pipes Extra.

SPECIFICATIONS:

"Auto-Spray No. 1" nozzle, stop-cock, and fittings turned from solid brass, with turned from solid brass, with deep-cut threads, three-ply rubber hose; the pump and valves are entirely of brass where they come in contact with the solution; all cast-iron parts are malleable iron; the carrying strap is made of eight-ply halter web. It is fitted with our improved valve, and take-out and put-in sleeve, ntted with our improved valve, and take-out and put-in sleeve, which prevents damage or accident to the plunger and packing. In the brass machine there is absolutely nothing that can corrode or rust.

Auto-Spray No. 2.

Capacity, with Barrel, 40 Gal.; Diameter of Cylinder, 7 Inches; Height of Cylinder, 21 Inches; Weight, Empty,

without Barrel, Twenty Pounds;

Weight, Loaded, Fifty

Pounds.

"AUTO-SPRAY No. 2" is made of brass only, and in one style. It has many strong features embodied in no other spray pump, and is the first successful automatic compressed air machine for large uses.

It has the additional advantage that it may be used exclusively as "Auto-Spray No. 1" by simply removing the lever and all other attachments not shown in the cut representing "Auto-Spray No. 1." It is fitted with carrying strap same as No. 1.

Among other points we would call your attention to the fact that the size of the air-tank in "Auto-Spray No. 2" makes it possible to compress the air easily and quickly the same as in "Auto-Spray No. 1;" also the small size enables the operator to agitate the contents by simply rocking the machine. When the air-tank is empty, simply poen the cock, and the connections between the barrel and the pump allow the tank to fill. It is also fitted with an escape valve which permits the ready release of any surplus compressed air while the tank is being filled. Also it is equipped with mechanical agitator to be used in the barrel so the contents of the barrel enter the air-chamber fully agitated.

An infallible remedy for Ashis Green Flynch and the contents of the barrel enter the air-chamber fully agitated.

An infallible remedy for Aphis, Green Fly and other green-house vermin. Per pt., **\$2 50**. **\$1.25** per 32 pint. Nicoticide Lamp for Evaporating, **50**c. Nicoticide.—

Asbestos Torch.—An excellent device for but from trees. Price...... An excellent device for burning caterpillar nests

Auto-Spray

No. 3.

AUTO-SPRAY No. 3" has a capacity of one-half "Auto-Spray No. 1," and is made in both galvanized steel and brass. It is made with the same care and high class of workmanship and material as "No. 1." but has no hose connection or cock, and the pump cylinder in the galvanized steel machine is made of extra heavy double cross tin, coated with our acid proof covering.

"AUTO-SPRAY No. 3" should be used only for small fruits, vines and other low-



Weight, empty, four pounds; Weight, loaded, twenty pounds; Capacity, two gallons; Diameter, seven inches; Height, twelve inches.

The "Auto-Spray Torch.



It is marvelously effective in burning worms and nests, and is the only torch that has ever been used successfully. The "Auto-Spray Torch" burns kerosene oil vaporized with oxygen of the air, and is so intensely hot that a single blast is sufficient to destroy a nest of worms.

It is used by simply screwing to the end of the extension pipe, and is operated by opening and closing the stop-cock attached to the rubber hose. By simply opening the cock attached fair is thrown through the flame, which is then carried to a height of four feet six inches. As the flame is entirely controlled by the operator, there is no danger of damage to any part of the tree except that which is infested with caterpillars.

PRICES.

Auto-Spray No. 1, Galvanized Steel Tank	4.50
Auto-Spray No. 1, Brass Tank	6.00
Auto-Spray No. 3, Galvanized Steel Tank	1.75
Auto-Spray No. 3, Brass Tank	2.75
Auto-Spray No. 2, Brass Tank with agitator. (No barrel)	11.00
Auto-Spray No. 2, Brass Tank with agitator (with barrel).	13.00
Special discount for cash.	
TOWNER A C	

Extension Pipes, 2 feet lengths, Galvanized Steel Brass Ends.. \$.30 | Extension Pipes, 2 feet lengths, Galvanized Steel Brass Ends. | 30 |
Extension Pipes, 2 feet lengths, Solid Brass	35
Elbow Connection, Solid Brass	35
Safety Valve, Solid Brass	25
Auto-Spray Torch	1.00
Bicycle Pump Fitting	25
Sneet la wices for each	Special prices for cash.

Poultry and Animal Fumigator.

Came to Hand Too Late for Proper Classification.

Will kill all insects and ver-Will kill all insects and ver-min; destroy all nits and insect eggs. Will cure scaly leg. De-stroy cholera germs. Will not nijure the most delicate chicken or animal. Sulpho-germicide cartridges absolutely harmless. Prices include 100 cartridges. Directions accompany each Fu-migator. migator.

PRICES.

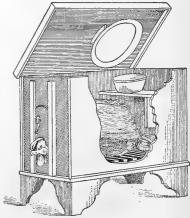
No. 1. 14x22x20 in., for 1 fowl, \$4.00

No. 2. 18x22x20 in., for 2 fowls, \$5.00 No. 4. 30x22x20 in., for 4 fowls,

\$6.00

No. 6. 41x21x20 in., for 6 fowls, \$7.50
No. 8. 51x22x20 in., for 8 fowls, \$9.00
No. 10. 62x22x20 in., for 10 fowls, \$10.00

Price 100 Cartridges.....



6 75 GRIFFITH

SPRAYERS AND POWDER GUNS.

The Fountain Spray Pump.



Accompanying illustration, Fig. 599, represents the FOUNTAIN KNAPSACK, Nos. 332 and 333, constructed of first-quality galvanized iron, with round corners, built precisely the same as the regular Knapsack with REMOVABLE STRAINER and tight lid. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines. It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose is attached, either one or two stripes of which may be

The supped at both right and left hand lower core and fitted with brass female ends to which hose is attached, either one or two strings of which may be attached, either one or two strings of which may be attached, either one or two strings of which may be set at the continue. When one hose only is used the other opening is closed with a metal plug furnished for that purpose. The Hose and BULB are made of the best white rubber and wired at end.

The Valves are made of brass and will not corrode: have large openings which permitthe free flow of water and shut off instantly when under pressure.

The nump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from three to fifteen feet, as desired; on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose.

We furnish this hose and fixtures to be attached to a barrel or tank placed on a wagon. This is desirable when spraying large fields of cotton or potatoes.

CAUTION.—ALWAYS MIX PARIS GREEN OR LONDON PURPLIE IN A SEPARATE VESSEL, FORMING INTO A PASTE REFORE ADDING THE WATER. In this way everything will be dissolved and will not need to be agitated.

Price.

No. 322, Figure 599, Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose.

No. 333, Figure 599, Fountain Knapsack Spray Pump, with two tubes, rubber bulos and roses, to work with both hands 83.00 7.00

Extra tube, rubber buib and rose



Tank holds five gallous, is fitted with lid and strainer which can be removed.

This Pump has lever, large air-chamber, ball valves, solid plunger and agitator.

It is so arranged that no water can drip on the operator. The Pump can be easily removed and is fitted with handle so that the operator can use it the same as our tank with bucket pump.

No. 330, Figure 547. Fitted with five feet one-half inch hose, pipe extension and Bordeaux spray nozzle, can be graduated from a fine mist to a solid stream, or shut off entirely. Retail price. 86.00: List.810.00 Any other nozzle furnished with these Pumps when ordered.

when ordered.



THE PERFECT KNAPSACK SPRAV PUMP. Fig 547

It is identically the same as 330, with the exception that the tank is constructed No. 331, Figure 547, complete with hose, stop-cock, pipe extension, and Bordeaux noz/le. Price \$9.60 \$16.00 First-Class Outfit at a Reasonable Price.

No. 336, SPRAY NOZZLES, Etc.

THE BORDEAUX. Price \$.75
THE VERMORE . Price . .75



poison to any plant.



FOR Farm, Garden, Vineyard, Tobacco Fields, etc. Adjustable to any width of row Many thousands in use.

Distributes Paris Green.
London Purple, Hellebore, Sulphur, Lime, Dry Bordeaux Mixture, Dry Bordeaux Mixture and Paris Green Compound, Spanish Pink, Pyrethrum Powder, etc. This Machine Keeps the Poison at a Safe Distance

from the Operator. Dusts potato vines as fast as you walk, two rows at a time. Each machine furnished with

tubes, five nozzles and strap. Anyone can use it.

Faultiess Sprayer.



One-half tablespoonful of Paris Green, and one filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes.



The Acme Plaster Sifter.

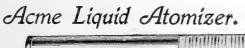
Price, 25 cents.

This is a most convenient and serviceable little tool, and at the price will prove a good investment. It handles land plaster and any similar substance without the necessity of cover-ing hands or clothing with the poisoned powder. We furnish a false bottom which prevents anything clogging the agitator.



tool ever made for ap-

tool ever made for applying poison to growing crops. It is entirely independent of water or plaster. No poison is left about the fields to kill stock. It requires no base of supplies; all you need carry is a can of dry insecticide and the gun. Without stooping—the elbow does it—it applies any powdered poison on any plant in any desired quantity any time of the day. The elbow may be detached if desired. This tool is well made of the best materials, and is thoroughly guaranteed. The bellows sides are painted a bright vermilion, and the handles finished bright. The leather is a time russet. We also furnish a spreader for distributing the blast.





For spraying Paris Green and other insecticides on potato plants, shrubs, small trees, house plants, live stock and poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. One canful will poison bugs on 600 to 800 hills of potatoes. By actual test we find this to be a most desirable article to spray turpentine for the destruction of moths. Quite a number are now in use for this purpose with the most satisfactory results.

Prices: Tin Atomizers 50c; Galvanized Tank, 55c; Brass Tank, 75c.

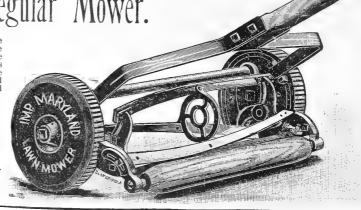
RELITIES

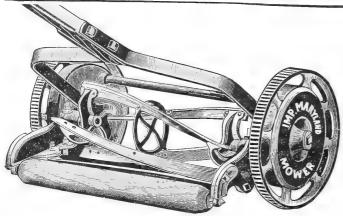
Improved Maryland Regular Mower.

HIS is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money. The Pawl and Pinion Attachment has been thoroughly tested and is beyond question one of the best to be obtained.

PRICE	LIST.	Retail.
12 inch		\$3.00
14 inch		3.25
16 inch		3.50
18 inch		3.75

3 BLADES, 8 INCH WHEEL, 51/4 INCH CYLIN-DER, SINGLE PINION. GEARED ON BOTH SIDES.





Improved Maryland High-Wheel Mower.

WITH 10-INCH WHEEL. SECURITY INCASED GEARS.

NOISELESS RATCH ET THE MOWER GEARED ON BOTH SIDES.

NO PAINS have been spared to make this the superior of all others of its class. It is mechanically proportioned so as to run light and do fine work. Our customers will make no mistake in ordering this Mower.

14 inches, \$7.50

16 inches, \$8.00

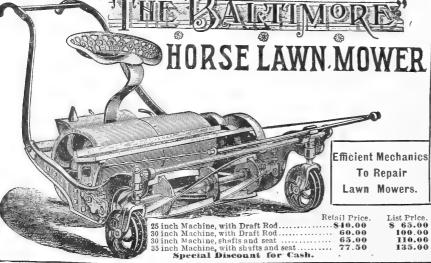
18 inches, \$8.50

Continental High-Wheel Mower.

Retail price, 15 inch Retail price, 17 inch Retail price, 19 inch Retail price, 21 inch	$11.25 \\ 12.50$	List price, 15 inch List price, 17 inch List price, 19 inch List price, 21 inch	$28.00 \\ 31.00$

Pennsylvania High-Wheel Mower.

Retail price..... 15 inch, 17 inch, \$10.75 17 inch, 28.00 21 inch, \$13.50 21 inch, 34.00



A DISTINCT TYPE OF MACHINE in popular favor. Owing to the demand for a High-Wheel Mower for uneven lawns we have secured what we consider one of the best machines of the kind made. Every customer is more than satisfied with the Continental. A full stock of machines and re-pairs always on hand.

We Sharpen

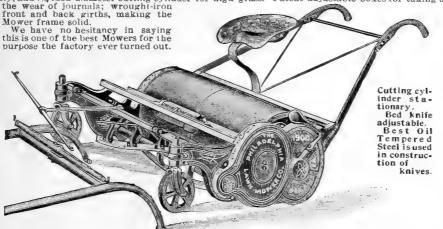
during the season hundreds of Lawn Mowers, and in consequence our shop is taxed to its utmost capacity. Every customer wants his Mower first. In order to have the work done properly, we ask our friends to send their Mowers in early. Do not wait until you want to use

The Baltimore Horse Lawn Mower is guaranteed to be equal to any machine made; in order to appreciate its good points it is necessary to see it at work on the lawn, where it performs in a most satisfactory manner.

THE

Philadelphia Mowers

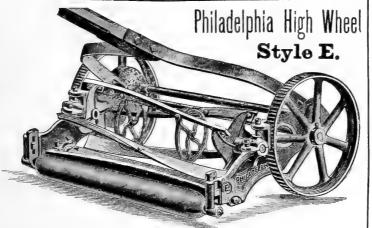
THE PHILADELPHIA EAGLE HORSE MOWER, made from entire new patterns, with added weight of iron for strength; increased diameter of cylinder for draft; large shafting and journals for durability, and 7% inch diameter cutting cylinder for high grass. Patent adjustable boxes for taking up the wear of journals; wrought-iron front and back girths, making the



PRICES.

STYLE E.

List. Retail. 15 inch, \$25,00 \$9.00 17 inch, 28.00 10.00 19 inch, 31.00 11.00 21 inch. 34 00 12,00



PHILADELPHIA HIGH WHEEL STYLES. This Mower contains an improvement that all Mowers lack in their construction. A solid frame, that the Revolving Cylinder can be Removed by simply loosening the set screws to the box caps and removing them and the cutting cylinder.

PHILADELPHIA

Eagle Horse Lawn Mower

30 35 40 42	inch	With Seat and Shafts and Draft Pole.	List. \$100 00 125 00 150.00 175.00	Retail, \$65,00 80.00 95.00 120,00
			į l	

Less special discount for cash.

The Old Style Philadelphia Horse Lawn Mower.

This style Mower is being used on all the Government Grounds Public Parks and Large Lawns in the country.

This Mower with the Solid (or Closed) Revolving Cutver, has a blades and is the Original Philadelphia Horse Mower. Every machine warranted. In ordering please designate it with Open or Closed Cylinder.

30 in. open 30 in. closed	With Draft rod.	List. \$100.00 100.00	Retail. \$70.00 70.00
	Į.		

Special discount for eash

Philadelphia I. X. L. Horse Lawn Mowers.

These goods are made from the best material and finished by the latest approved methods of manufacture.

			List.	Retail.
20	inch	With Dunch	List.	Recair.
υU	incu	With Draft		
		Rod.	\$90.00	\$50.00
30	6.6	With shafts		
		and seat	100,00	55.00
35	6.6	Complete with		ì
		shafts and seat	125.00	70.00
40	6.6	With shafts		
		and seat	150.00	85.00

Special discount for cash

A swingle-tree and chain attachment will be furnished for \$2.00 net if wanted. If used MUST BE ATTACHED to the ENDS of the side draft attachment, for the draft rod will bend if attached in control. in centre.

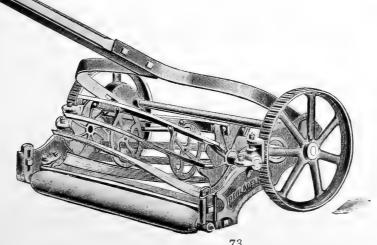
& Blades.

IO-Inch Wheel.

71/2-Inch Cylinder.

Train of 3 Cears.

Double Ratchet



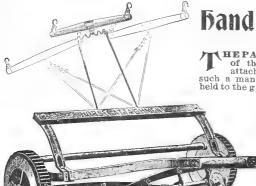
Golf Mowers

Are similar in style to our High Wheel E Mowers, combining all their improvements, for with their 8 Blades and peculiarly constructed Knife Bar as attached to side frame tilting the knife to the ground, it is especially adapted to make a very close, even and fine cut, which is so much desired on Golf Links.

15	inch			,							,					,		List. \$25.00	Retail. \$12.50
17	6.6		٠						٠	,	٠			٠	٠	,	1	28.00	14.00
19	6.6	٠			٠			,	,			,						31.00	15.50
21	4.6					,	٠	,					٠		,	,		34.00	17.00

Mowers.

CONTINUED



COMBINATION Bandand Pony Mower

PRICE, \$18.00

HE PATENTED HORSE ATTACHMENT of the Mower is its great feature. This attachment is adjusted to the Mower in such a manner that, in operation, the Mower is held to the ground, and the disagreeable "tipping up" of the rear of the Mower, which is a serious objection to many machines, is impossible. The draft of the Mower is just the same as when operated with the handle.

bandle.

Dia neter of traction wheels, ten inches. Weight, ninety pounds.

Best material and workmanship

throughout.

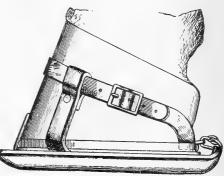
Send in Your Lawn Mowers Earlu For Repairing

Che Arctic Swinging Chair.

The Latest Design for a Swinging Chair Yet Produced.

TOCCUPIES on the porch floor a space abouts is feet long by 3 feet wide and about 6 feet high. It is made of the most substantial material, the best of dry hard wood, with steel arms and braces, and arch of steel tubing. It is provided with a foot rest, adjustable for children or adults, is nicely painted and varnished and has durable canvas back. It weighs about forty-five pounds, folds up easily like a jack-knife, and is readily moved from place to place. It is better and cooler than any hammock, and occupies less space. It is shipped entirely set up and ready for use by the simple adjustment of the thumb-nuts and two bolts. PRICE, \$4.00.

Smith Horse Boot.



CHIS LAWN BOOT is a new departure from the old style Boot. It has a base composed of a metallic plate interposed between upper and lower coverings, made of heavy leather. The leather coverings are riveted together. The upper leather is made to fit the frog of the foot.

Attached to this are leather straps to fasten foot securely to the hoof. No chaing of the flesh above the hoof, as so often happens with the oldstyle Boot.

PRICE PER SET......\$8.00

HORSE BOOTS.

For Use on Lawn

For those who desire a well-kept lawn. Made of leather, with heavy leather bottoms and will fit any horse's feet. Price, per set, \$8.00



THE FINLEY

Rotary Lawn Rake.

CHE CUT shows the general appearance and construction of this Rake. The principle is not unlike that of a carpet sweeper, with steel teeth in the blades, where the brush comes in the sweeper.

teeth in the blades, where the brush comes in the sweeper.

The movement of these blades being rotary, causes a blast or suction in revolving, and the loose grass, leaves, twigs and ANY LOOSE LITTER are forced back into the basket which, when filled, is easily removed, so that the contents may be dumped, ready to be carried away. It can be easily adjusted to fit any work by simply turning two nuts.

Nothing escapes it. After the lawn is cut and then gone over with this Rake it's as clean as a carpet and looks beautiful. Simple and strong in construction, durable, with no intricate parts, it is the very acme of perfection as a Rake, and will, once generally introduced, be as indispensing the produced by these conditions.

PRICE, \$12.00.

able as the lawn mower has become. You will find the lawn which much handsomer, but will steadily improve in condition, as the surfey the teeth, and a much thicker sod is produced by these conditions.

The Most Comfortable



is illustrated herewith. It is attractive and gives plenty of room. Just the thing for Parks, Porches, Hotels, Picnic Grounds, Cemeteries, Etc. Painted bright red and varnished. Weight No. 6, sixty-five rounds. five pounds.

PRICE, 75 CTS. PER FOOT.

We carry in stock 4 and 5 length Seats. Can furnish a cheaper Lawn Seat.

THE CANVAS GRASS CATCHER.

G. J.



UNIVERSAL GRASS CATCHER

Grass Catcher that will fit any mower. Can-body blacked sheet steel bottom. Two sizes vas body, blacked sheet steel bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16 inch mower, and No. 2 will fit 16, 18 and 20 inch. Price, 75c.

---THE---

Arctic Lawn Swing.

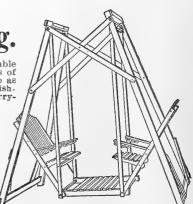
THE ARCTIC SWING affords the most comfortable lounging place you can find, and as the backs of the chairs are adjustable, they can be set up as straight or incline at as great an angle as you wish. It is built of the best hardwood lumber, with a carrying capacity of two adults, but is strong enough to carry six children. Hardsomely nainted in

ing capacity of two adults, but is strong enough to carry six children. Handsomely painted in deep red and nicely varnished.

We can furnish a cheap Swing if same is wanted, but the quality of material and workmanship, of necessity, will not compare with the above, which is the best Swing on the market.

Price, Arctic No. 2, \$6.00

We have a cheaper Swing, but do not recommend it. Price on application.



GRIFFITHETURNER

Water Carts or Trucks, and Combination

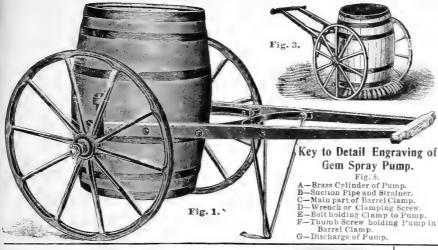
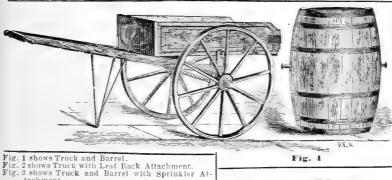




Fig. 1.—This Fig. represents our Barrel Cart to which can be attached the "Gem" Brass Spray Fump.

which can be attached the "Gem" Brass Spray Pump-Fig. 5.—This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

The Barrel Cart and Pump may be ordered separately and arranged together to suit the purchaser. The Barrel Cart may be wheeled about when filled with water, to supply sprinking cans for watering flowers and vegetable gardens. When the running gear or truck is ordered without barrel the trunnions may easily be fastened to any good water-tight barrel by any person with ordinary mechanical ability.



THIS shows our Sprinkling Cart, which is indispensable about parks, cemeteries and country seats for watering roads, drives, walks, lawns, etc. The wheels have wide tires and the whole outfit is well made. It can also be used as a Tank Cart for carrying water, spraying trees and removing matter from cesspools, vaults, etc. Cart for spraying trees and crops. It is substantially made throughout. There is a valve in the bottom of tank, operated by lever, within easy reach of driver. List, \$90.00. Retail, \$75.00.



Baltimore Lawn AND Street Sprinkler List \$90,00, Retail \$75.00.

PRICE LIST. | Use Retail. \$5.50 7,50 9.50 5.00 2.50 4.00 2.25

tachment

EXTRA TRUCK WHEELS.

Regular Tire.
212 inch Tire.
4 inch Tire. \$3.00 $\frac{4.00}{4.50}$



For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a | 6 most useful vehicle. There are so many purposes for which they can be employed-carrying bundles,' printers' forms, farmers' tools and | F light implements, etc. It is never out of place, and always ready to pick up at short notice. They are nicely finished; higher wheels, better ironed and altogether superior to anything of its kind on the market. There is now an im-mense demand for these carts, but notwithstanding we have placed

Baltimore Push Cart.

PRICES.



DIMENSIONS.

 Width of Tire
 112 inches

 Height of Wheel
 36

 Axle
 11/2

 Hub
 6

 Length 40 inches. Width ... 22 Depth ... 10



NEW UNIVERSAL GARDEN TOOLS

Matthews' New Universal Garden Drill.

ONE OF THE STANDARD DRILLS OF AMERICA.

SIMPLE IN CONSTRUCTION.

NEAT IN DESIGN.

EFFICIENT IN OPERATION.

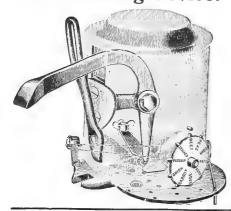
NONE BETTER CAN BE PROCURED.

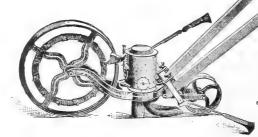
Medals and testimonials confirming the superiority of the "Matthews" have been repeatedly bestowed upon it from all quarters, and as it has been improved from time to time it has always been acknowledged ONE OF THE MOST PER-ECT DRILLS MADE. The present form is the neatest and simplest yet produced, and cannot fail of proving an even more popular modification of this reliable Drill.

List Price

SEED INDICATOR USED ON ALL GENUINE DRILLS.

The Seeding Device.





Seeding can he regulated to exact quantity desired.

THE SEEDING DEVICE employed on all Matthews' Seeders is set forth in the accompanying illustration, showing transparently the solid wall of the seed box. The indicator, which is also shown above, has the names of the various seeds plainly marked upon it. The DIAL has a separate hole for each kind of seed, which registers in the CENTRE of the hole in bottom of seed-box. The hole in the dial may be gauged to a nicety by means of the REGULA DR, held by a thumb-screw. To lead the seed to the central opening there is provided a CORRUGATED and shouldered bottom, which admits of dropping any quantity of seed, even to a SINGLE PAPER. The feed is practically a force feed. No other device ever met with the success of the AGITATOR. Principally for dropping all the small garden seed is not bruised or damaged by the AGITATOR. The MANUAL CUT-OFF indicated in the illustration by the dotted lines, with its spiral spring connection, is worked from the handle by a wire, and the flow of seed may thus be instantly checked. No seed need be wasted in turning rows.

Matthews'

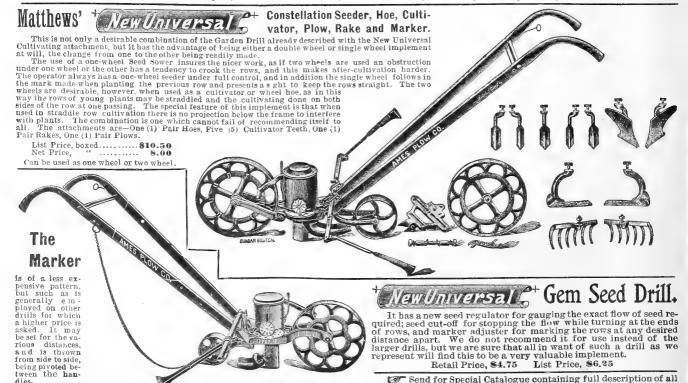
New Universal

Hill and Drill Seeder.

Send for Special Catalogue containing full description of all New Universal and Matthews' Tools.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continuously in drills or at a distance of 4, 8, 12, 16, 24 and 48 inches apart. The adjustment from drils to hills is made by one screw in attaching a brass cut off to the agitator. The distance apart is regulated by the number of cogs on the driving wheel against which the agitator strikes. The seed cannot drop except when the hole in the bottom of seed-box is opened by the agitator striking a cog on the wheel, and it immediately closes again as the agitator drops. This saves seed, as no more need be dropped at a time than is desired, no matter what the distance may be. There are no parts to wear or get out of order. If this implement is wanted be sure and order the "Hill and Drils Seeder," as the regular garden drill cannot be fitted with the attachments. Our retail price, \$7.00. List price, \$9.00.

The manufacturers of thi line do not make a Hill and Dril Seeder with cultivaring attachments, and we would recomme d. as FAR PREFERABLE, one of the above separate drills and a separate single wheel hoe complete, with ALL the attachments, for which our retail price covering the two separate implements is only \$11.25.



Hand Double Wheel Hoe, Cultivator Plow and Fake. New Universal ,

TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to

TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to cultivated, keeping row midway between wheels.

THE HOE BLADES can be set to turn in or out, as desired by the operator.

THE CULTIVATOR TEETH.—Fourare furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

THE PLOWS.—For furrowing they can be set close together and turn outward.

FOR COVERING, set to width desired, and turn inward.

THE RAKES—For fine cultivation and other uses of an ordinary rake. They can be set angling or streight across.

The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch. The depth can also be regulated by pitching the Arch by means of the Arch Brace and the Thumb Bolt, where it connects, to lower Handle Brace.

THE LEAF GUARDS are to prevent wheels from injuring large, spreading foliage.

Pair Hoes. 1 Pair Plows 1 Pair Rakes. 1 Pair Narrow Cultivators. 1 Pair Wide Cultivators. 1 Pair Vine Guards.

Our Retail Price, \$5 00. List Price.

List,

Retail,

\$9.50.

7.50.

Specially designed for working both sides of the row at one passing.

New Universa.

DOUBLE WHEEL HOE.

WITH HOE BLADES ONLY.

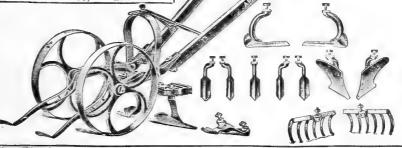
Retail Price, \$3.25. List Price, 4.25.



DRAW PLOW.

Retail Price, \$1.50. List Price.





New Universal C Hand Single Wheel Hoe, Cultivator, Plow and Rake.

As with the Double Wheel Hoe described, this can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side, so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows. THE ATTACHMENTS ARE:

1 Pair Hoes. 1 Pair Rakes.

5 Cultivator Teeth, 1 Vine or Leaf Guard.

Retail Price, \$4.25.

List Price, \$5.75.

VewUniversal

Hand Single Wheel Hoe,

Retail; \$2.50.

List, \$3.25.





This Implement is same as our regular Single Wheel Hoe, except that at this price fewer attachments are furnished. They are:

1 Pair Hoes.
3 Cultivator Teeth.

l Pair Hoes. 3 Cultivator Teeth. 1 Large Plow. If this style is wanted, be sure and order the "FLIER."

lewUniversal Hand Wheel Plow.

This can be used to prepare the ground, to furrow out, to er and to cultivate. The mould board is of steel, polished cover and to cultivate. and tempered.

Retail Price, \$2.00.

List Price, \$2,50.

AGE WHEEL HOES AND DRILLS.



sows in drills with all the seeds varying in size from celery to corn. The change from a seed drill to a wheel hoe is made by simply detaching the seed hopper, with its frame, coverers, tool is light, strong and easy running.

The above tool fitted with Hill-Dropping Device, furnished as the No. 6 Combined Tool, for \$1.00 additional, making the price \$10.00.

The No. 22
"Iron Age Combined Fertilizer
Distributer, Hill
and Drill Seeder
sows fertilizer
in two streams
and places the
seed sown either
in hills or drills in hills or drills between the fertilizer—an ideal way of planting just where it will do the great-

est good.

No. 22 "IRON AGE" Combined Fertilizer Distributer. Hill and Drill Seeder. PRICE. \$16.00

No. 23, without the Seed Attachment, \$12.00



No. 3 IRON
AGE DOUBLE
WHEEL HOE—
Same tool as
shown in cut
above but with
hoesonly \$3.50
A Seed Drill Attachment for
sowing in rows
only or sowing
both in rows and
hills can be added, \$3.00 and
\$4.00, respectively. When applied the tool is id

s4.00, respectively. When applied the tool is identical with the No. 4 or No. 6 Iron Age Combined Tool, depending upon which seed attachment is applied.

In cultivating onions, beets, turnips, radishes, etc., it is invaluable—saves hours of bard labor, and does the work better than several men could do it in the same time. One great advantage which this double wheel hoe possesses is that it can be made into a practical single wheel hoe in a moment's time. An axle is sent with every double wheel hoe for this purpose. The wheels are 16 inches high, enabling the wheel hoe to run easy and without yielding to the depressions of the soil. The frame being made of tubing, coupled to malleable castings, gives it great strength, together with lightness. All the tools shown in the cut go with the machine.



New Model Seed Drill

FOR all gardeners and truckers who require a Seed Drill of large seed capacity we offer the No. 8 Iron Age Hill and Drill Seeder. The WHEEL is made of steel, 15 inches high. The HOPPER is low, therefore the delivery of the seed is close to the ground. The agitator is a revolving brush, which absolutely does not injure the seed. The Seeder will sow in continuous rows or drop in hills at 4, 6, 8, 12 or 24 inches apart.

No. 8 Iron Age



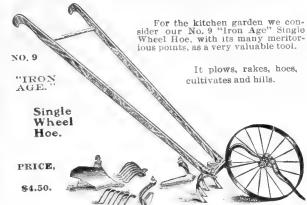


No. 22 Iron Age Combined Fertilizer Distributer, Hill and Drill Seeder. Price.....\$16.00

No. 23. Same as 22, without the Seed Attachment.

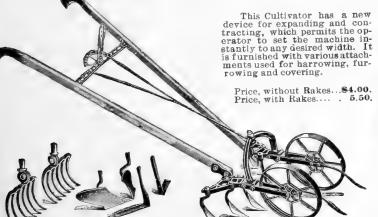
Wheel Hoes and Seed Drills=-Continued. "Iron Age"





The BALTIMORE WHEEL SINGLE CULTI-GARDEN VATOR.

Double Cultivator. The Baltimore Wheel



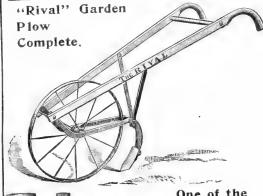
No. 11 Iron Age Wheel Plow. PRICE, \$2.00.

A tool needed in every kitchen garden for breaking ground, opening furrows, ridging up, covering and plow

ing. Also an excellent tool for poultry men in turning under the droppings in poultry yards.

So light it can be carried around the garden and used

as readily as a common hoe.





One of the Most Popu-

> GARDEN PLOWS

Made.....

PRICE. \$2.90.

The attachments shown in the annexed

The Baltimore Cultivators

except the Rakes, are furnished with each implement at the prices named.

This tool is a universal favorite. The Beam is made of very stiff steel, and is constructed so that when nandles are attached, the centre of weight falls directly over the pivoting point, which forms the axle for wheel, making it self-balancing, and which admits of its being propelled with a minimum amount of power. Handles can be raised or lowered to suit man or boy. The different extras used on the "RIVAL," are:

WEEDER. CALF-TONGUE, MOULD-BOARD AND RAKE,

The "RIVAL" does satisfactory work, and you will find nothing better.

BALTIMORE CEDAR WASHER.



ELECTRIC

THE Baltimore Washer is constructed of the best white cedar, very strong, nicely finished, and is one of the targest round washers on the market. Round Electric Welded Hoops of extra heavy galvanized wire, fitted in a groove around the machine, which prevents them from dropping off. The Baltimore is supplied with improved gearing, and all the c stings are japanned. The inside is fully corrugated, similar to a washboard, having no nails or block of any kind. The bottom and sides are corrugated; in others the corrugation runs only the length of the staves, thus making crevices for dirt and allowing the steam to escape through the top, and water to leak through the bottom. The bottom of the tub is larger than the top, allowing plenty of room for water and clothes. In this machine is placed a square galvanized iron rod fastened firmly to the dolly.

Instead of using a square wooden post to work the dolly, (that is, the circular wooden revolving head, that holds the clothes in position), in this machine is placed a square galvanized iron rod fastened firmly to the dolly. This whole

arrangement can be lowered or raised by the operator without removing the tops and it will also accommodate itself automatically to the quantity of clothes, rendering it impossible to tear the most delicate fabric, as this offers nothing to which the clothing can catch.

PRICE, \$4.00.

The Maryland Washer.

To meet the demand for a low-priced Washer we offer the Maryland, which is made of pine instead of cedar, but in all other respects is the same as the Baltimore Cedar, shown above.

PRICE, \$3.50.

Griffith & Turner Improbed Cedar Rotary Washer. ELECTRIC WELDED WIRE HOOPS.

It is a fact unquestionable that white cedar is the only wood known that successfully resists the action of water, as, witness, write cedar shingles and posts oftentimes last for a hundred years. Ninety per cent. of the washtubs used are made of cedar, because they are preferred. That being the case, why should not cedar washing machines also?

The Balance Wheel Does the Work.

The Griffith & Turner Cedar Rolary Washer is the lightest running and easiest working machine

The Griffith & Turner Cedar Ro.ary Washer is the lighted trunning and easiest working machine on the marker. No expense has been spared to perfect it. By turning the fly-wheel, which weighs eighteen pounds, the pin-wheel or dolly inside the tub is made to rotate in opposite directions.

There are no cams, clutches or springs—nothing to wear out or get out of order. Fly-wheel can be turned in either direction.

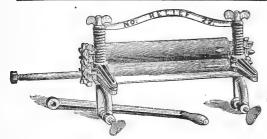
This is the only Rotary Washer that the dolly rod passes upthrough iid, thus giving large space through which to take clothes out.

The tubs are made of selected VIRGINIA WHITE CEDAR, and are nicely corrugated on sides and bottom. The hoops are made of galvanized wire, and are welded by electricity. These are much stronger than the old style flat hoops, and CANNOT DROP OFF, being sunk in grooves.

The dolly post in this machine works on the same principle as our Baltimore Cedar. See above.

PRICE, \$7.00.





WRINGER. RELIEF

Iron Frame. The Frame is Made Entirely Wrought and Malleable Iron.

By the use of the thumb-nuts and spiral springs in this Wringer, the pressure can be adjusted quickly for either heavy or light work; th refore the rolls are never overstrained, and will wear much longer than the ordinary iron frame Wringer.

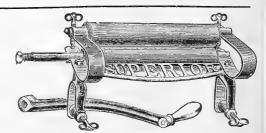
With Cog Wheels. Five sizes. Packed four and six in a case.

No. 22.—Small Family. Size of Rolls, 10x134 in. Price, \$3.00. Rolls each, \$1.25. No. 44.—Large Family. Size of Rolls, 12x134 in. Price, 3.50. Rolls each, 1.50.

SUPERIOR WRINGER.

We also carry a stock of the following well-known Iron Frame Wringers:

NAME	SIZE OF ROLLS.	RICE.
Superior		2,50.
Superior		3.25.
Star	10x1¾ in	1.50.
Extra Rolls		1.00.





BERGER'S Side and Bail Lift No. 0 Tubular Lantern.

Patented One Piece Crimped Tubes.

Galvanized Fount. No. 1 Burner. %-inch Wick. No. 0 Globe.
Lock Burner. Simplicity Side Lift, Retinned and Tested Founts.
Especially designed for severe usage and is used principally in mills, barns, warehouses, lumber yards, freight houses, etc. One of the best Lanterns ever placed on the market. Strongly built and a general favorite. First-class, up-to-date Lantern.

PRICE, 50 CENTS.

BERGER'S

No. O Side and Bail Litt Tubular Lantern.

DASHBOARD.—Furnished in Buil's Eye Globes. No. 1 Burner. %-inch Wick. No. 0 Globe. Lock Burner. Improved Catch. Finished in Plan or Blued Tin. Patented one piece Crimped Tubes.

This is unquestionably the best Dash Lantern on the market for neatness of appearance, strength of construction and simplicity of operation. We claim for it all of the advantages possible, and some improvements not found in any other Lantern of this kind. Has a Beautifut Embossed Reflector of a New Design. It sells at sight.

PRICE, 75 CENTS.

Decarbonized Metal, Church and School Bell



So.								Diameter.
6.								21 inch.
5.			ı					26 inch.

Weight Complete.

List. 815.20 25.00

Retail \$ 6.75 11.25

AXLE GREASE AND OILS.

Per Box Royal					8 .5
15 lbs. in pails, "					
25 lbs. in pails, "					1.00
Mica and Shining Light 1	10-1b.	pails.			75
Mica " 1	5-1b-	pails.			1 . 0 0
Mica " 2	5-1b.	pails.			1.25
Mica and Shining Light, i	n tin	hoxes.	Per	box, 10c.;	3 for 25c.

We are headquarters for a full line of Lubricating Oils NO. 1 CASTOR OIL, PRICE 73c. PER GA .LON. Special prices in barrel and half-barrel lots.

DEERING HARVESTER OIL.



PROOF

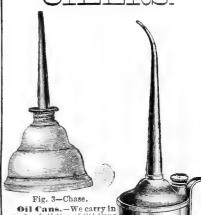
The original fire-proof and weather-proof cold water paint.

ARE YOU CONTEMPLATING PAINTING YOUR HCUSES, BARNS, FENCES OR OTHER STRUCTURES?

IF SO IT WILL BE TO YOUR INTEREST TO INVESTIGATE

Asbestine Gold Water Paint

Inquiries cheerfully answerd. Write for special circular and color card.



Oval, Round, Dome and Chase Styles.

Decarbonized Metal Farm Bells

Dia	meter Weigh	t List Price,	Retail Pric
of	Bell. Comple	te. Bronzed.	Bronzed,
No. 1	14 40 lbs.	\$4.00	81.80
	15 50 lbs.		2.25
No. 3			2.38
No 4			4.50





Engineer's Oiler.

Fig. 698.

PRICES .- ASBESTINE.

~		2.4	SDE	13 1 1	CA BOLL
Color No.	Barrels 400 lbs.	½ Bbls. 200 lbs.	Kegs 100 lbs.	Kegs 50 lbs.	Pkges. 5 lbs. 10 cts.
2	7½ cts.	8 cts.	8½cts. 8	9 cts.	10 ets. 91⁄9
3 4 5	71/2	8 7 71/6	81/2 81/2 8	9 9 81⁄6	10 10 91/6
6	71/2	71/2	8 81⁄2	8½ 9	91/3
8 9 10	7	884 716 716	91/4 8 8	934 816 816	91/2
11 12 13	7 81/2	71/2	8 91/6	8½ 10	913
14 15	7 10½	8 71/9 11	81/6 8 111/6	9 81/2 12	10 91 <u>6</u> 13
16 VHITE BLACK	73/2 6 9	8 61/2	8½ 7 10	9 71/6 10/6	10 816 1117
DEACK	0.7	173	10	1072	14179

ORDER COLORS BY NUMBER.

ASBESTINE.

INSIDE COLD WATER PAINT. WHITE ONLY.

Barrels. Half-Bbls. Kegs. 400 lbs. 200 lbs. 100 lbs. 50 lbs. 5 cts. 6 cts. 6 cts. 6 cts. ï ccs.



Grain Drills, Tubes and Points.

The York Feed, Grain and Fertilizer Drill.

BOTH the grain and fertilizer are positive force feeds, and will sow with absolute regularity any kind of grain or fertilizer in good condition. The grass seeder is also a force feed and can be used either in front or rear of the boes also the quantity can be changed to any amount

and can be used either in front or rear of the hoes; also the quantity can be changed to any amount necess iry. It is fastened on the frame and very low down, thus preventing the wind from blowing the seed away before reaching the ground.

Two levers are used on this drill—one for grain feed and one for fertilizer feed, and by simply moving them either back or forward the indicators, in plain view, will guide the operator, and enable him to accurately sow the desired quantity per acre; in using the fertilizer feed the operator must be governed by the condition of the material. The quantity of grain to be sowed can by this means be varied from the smallest to the greatest amount desired, varying as little as a half to a pint at each change. The fertilizer feed can be stopped or started at any time while the drill is in motion, which makes it convenient in case the operator does not wish to sow fertilizer while going over good ground.

over good ground.

These drills will be furnished either in pin or spring hoe, or with discs, as well as hoes, as shown

(II Cut.			
8-Hoe Pin	\$65.00.	8-Hoe Spring	 \$70.00
9-Hoe Pin	68.00.	9-Hoe Spring	 73.00
10-Hoe Pin	71.00.	10-Hoe Spring	 76.00
11-Hoe Pin	74.00,	11-Hoe Spring	 79.00
P SPH	CIAL PRI	CES FOR CASH.	

TUBES AND POINTS. GRAIN DRILL



We are one of the Largest Distributors of 💥 💥 💥

Grain Drill Points and Tubes ***

IN THE COUNTRY.

For all leading Grain Drills,

Thomas Disc Fertilizer Drill.

THE celebrated "Marks" Fertilizer Feed is used on this Drill. The celebrated "Marks" Fertilizer Feed is used on this Drill.
The device for changing quantity is entirely new and has been thoroughly tested, and consists of a simple speed gear direct and adjustable mounted on the axle. The flow is stopped automatically when the discs are raised. When spotting shocks in sowing corn ground, can be thrown out of gear without raisure the discs. ing the discs.

DISC BOOT .- Our Delivery Disc Boot is specially designed, and very complete and prevents choking or clogging in any soil. There is a chilled iron spindle, which will last for years if it will ever wear out. The scrapers for discs are of spring steel, and are adjustable.

8-Disc Drill \$75.00 9-Disc Drill 80.00

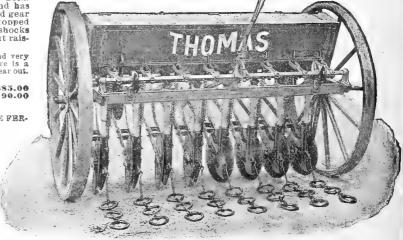
Special Prices for Cash.

We also carry the celebrated THOMAS spring or pin-hoe fertuizer drills.

Spring and Pin Hoe.

Spring Hoes, in the place of Pin Hoes, are furnished, if desired, at a small extra cost. They are especially adapted to rough, stony or rooty ground. The spring is strong and effective. In case of breakage of spring, anyone can quickly make a pin of wood, and go on seeding.

-				
8-Hoe	Pin\$65.00		Spring	
9-Hoe	Pin 70.00		Spring	
10-Hoe	Pin 75.00	10-Hoe	Spring	80.00
11-Hoe	Pin 80.00	11-H oe	Spring	85.00
12-Hoe	Pin 85 00	12-Hoe	Spring	90.00
	SPECIAL PR	ICES FO	R CASH.	





For Sewing Clover, Timothy, Millet, Oats, Wheat, Hemp, Barley, Rye, Rice, Buck-wheat, Etc. A Model for Accuracy and Durability.

PRICE, \$3.50

FRICE, \$3.00

Sows from 4 to 8 acres per hour at an ordinary walking gait, throwing wheat about 40 feet wide. A saving of four-fifths of the labor and one third of the seed is effected by the use of this machine, and a person entirely unused to sowing by hand can use it with perfect success.

To Sow THICKER OR THINNER WITHOUT CHANGING THE SLIDE.—Having set the index to the desired quantity per acre—taking the average of the field—the operator can easily sow a little thicker upon those places where the soil is richer, by taking shorter steps and thus not going so fast, and upon the poorer spots of ground it can be sown thinner by taking longer steps and consequently passing more rapidly forward.

About Sowing IN THE WIND.—Any one familiar with the use of the machine can sow satisfactorily in a much stronger wind than will admin of sowing well by hand; but as the ordinary work of a day can easily be done with the Sower in two or three hours, that time may be chosen early in the morning or late in the evening, when it is usually calm or nearly so.

calm or nearly so.

alm or nearly so.

For Sowing in Standing Corn the machine will be found of the greatest utility—nothing can ever equal it for his purpose—but will not sow as wide as on fallow ground, in consequence of the obstruction which the cork offers of the seed. A broader lap is therefore required by making the passages nearer together. (See directions).

The breadth of the cast Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet.

will be according to Barley, 27 to 33 feet. Clover, Millet, Hungarian Seed, 20 to 24 feet. Timothy, 15 to 18 feet.

This Grass Seeder is simple, with-out gearing, cams or intricate ma-chinery. It cannot get out of order. It is strong, yet weighs but forty pounds. Perfection feed is attained

in making it absolutely positive, yet a non-leaking carrier when thrown out of connection. The quantity of seed to the acre is accurately shown

DIRECTIONS FOR GAUGING THE MACHINE.

The large gate is to be used when sowing grain and the small gate in the larger one for grass seed only. First close the slide or gate tight, the n fix the lower edge of the index point against the scale of inches on the slide for the different seeds as follows:

INCREDISSECTION SET AND RYE.—To sow two bushels to the acre, at 1 inch. To sow one and a half bushels to the acre, at 6 of an inch.

FOR BARLEY.—To sow two bushels to the acre, at 1 inch. To sow one and one-eighth bushels to the acre, at 34 of

an inch FOR HEMP.—To sow one bushel to the acre, at 1/2 an inch. To sow one and a quarter bushels to the acre, at 1/2 of

FOR HEMP.—To sow one bushels to the acre, at ½ an inch.

To sow one and a half bushels to the acre, at ½ inches.

To sow one and a half bushels to the acre, at ½ inches.

When ready to sow, first commence turning, and with the left hand raise the slide until the nib on the slide comes

against he index point. Be careful to walk and turn, as above directed. To close the slide, do it with a quick

To sow wheat or rye in standing corn, two bushels to the acre, set the index at ½ of an inch at d sow five or six rows at a time, according as

FOR GRASS SEED.—To sow one peck of grass seed to the acre, raise the small gate ¾ of an inch; half a bushel, % of an inch. they are wide or narrow.

hompson's Clover and Grass Seeder.



SOWS 12 OR 14 FEET WIDE,

ANY AMOUNT DESIRED

PER ACRE.

WILL SOW 20 TO 25 ACRES

PER DAY.

Clover, Timothy, Red Top, Hungarian, Millet, Flax, Orchard Grass, Blue Grass, Alsike and chaffy seeds are alike sown by it. It cannot clog. The wheel may be covered with mud, yet its working will the bottom of the box, fastened at the ends to a rod moved back and forth by a lever. This is operated by the revolution of the wheel, upon each of the eight spokes of which is fastened a casting. These castings strike alternately V-shaped irons on the feed levers. The length of strike governs the quantity of seed sown, and is regulated by the pin, which forms a fulcrum at any distance desired from the driving point.

The plate for this pin is accurately marked in figures, indicating the quantity of seed sown per acre. By use of a thumb-screw the lever can be thrown out of connection, when all sowing stops, the feed rope covering the holes in the bottom of the hopper, through which, when at work, it forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fall in its forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fall in its forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fall in its forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fall in its forces the seed, or fall in its forces the seed, or fall in its forces the seed, or fall in its better than wire or any substitute. It does not wear the groove, bruise the seed, or fall in its forces the seed. Manilla rope is used because it is better than wire



The Cyclone Hand Broadcast Seed Sower.

This Seeder is accurate, strong, light and rable. The best medium-price machine of its kind on the market.

PRICE\$2,00

Chicago Seeder.

A good Seeder, at a very low price. This is the most tory Bow Seeder made.

PRICE\$1.50



Advance Pea and Fertilizer Drill | Champion Jr. Seeder

The agitator is new, being of steel in the The agitator is new, being of steel in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below.

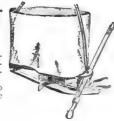
A shut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. Excelent for sowing fodger corn or ensilage.

lent for sowing foduer, corn or ensilage.

A MODERATE PRICE MACHINE. The accompanying illus-

The accompanying inte-tration shows our CHAM-PION JR. SEEDER, a mod-erate price machine. GUARANTEED equal to

any oth market. other make PRICE \$1.00



orn Planters

HENCH & DROMGOLD'S CORN PLANTERS.

Steel Frame Single Row Planter, Fertilizer Attachment. PRICES: . \$11.00. Plain Planter, . . Planter, with Fertilizer Attach-13.00. ment, Extra Dropping Dies, each,50. Special Price for Cash.

FIG. 28 B.

Made In Three Styles.—First, as shown in cut with double wheel in rear, Fig. 28 B; secondly, with concave wheel in rear, Fig. 27; thirdly, with concave wheel in rear and runner in front, Fig. 28. Al. car be furnished with or without fertilizer attachment. The Corn-Dropping arrangement is very simple and positive in action.

and positive in action.

The Fertilizer Sower has an agitator which pre vents the fertilizer from arching in the box, and will sow regularly any quantity from 100 to 400 lbs. per

acre. Four Rings or Dropping Dies are furnished with each Planter; two with small, and two with large holes dropping one grain at a place and equal distance apart, and two with large and two with small holes for descripting two grains in a hill.

apart, and two with large and two with small holes for dropping two grains in a hill.

Three Chain Wheels are furnished with plain. Planter, and four with fertilizer. The six-point chain wheel drops one grain 13 inches or two grains 26 inches. The eight-point wheel drops one grain 17 inches or two grains 34 sinches apart. We can also furnish rings for planting Peas, Beans apart. The seven-point drops one grain 15 inches, or two grains 30 inches apart. The eight-point wheel drops one grain 19 inches, or two grains 38 inches apart. We can also Ensilage, Corn or any kind of seeds, and by using the different chain wheels can plant any desired amount

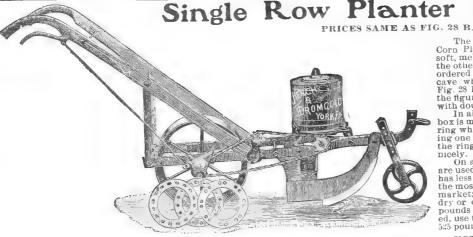


FIG 28.

The annexed cut illustrates our Single Row Corn Planter with shoe for opening furrow in soft, mellow soil. This is preferred by many over the otherstyles. We furnish this Planter when ordered at the same price, either with single concave wheel or with double wheels, as shown in Fig. 28 B. In ordering the Planters please state the figure as well as name, and whether wanted with double concave wheel.

In all of these Planters the top part of cornbox is made of heavy sheet-iron, riveted to a cast ring which is hinged to the bottom, and by loosening one thumb-nut, can be turned to the side and The annexed cut illustrates our Single Row

Shoe.

ing one thumb-nut, can be turned to the side and the rings changed, and the bottom cleaned out

On all machines where fertilizer attachments are used the fertilizer box sets lower on the frame, has less number of pieces, less complicated and the most positive force feed of any Planter on the market; insures uniform distribution, whether dry or damp. Will sow from 20 pounds to 450 pounds per acre, and if a larger quantity is wanted, use the five-point chain wheel and it will sow 525 pounds per acre.

NOTE.—If the rows are marked out closer than three feetsix inches, it will sow more per acre

HE CUT represents our Single Row Corn Planter with corn-box in front and is sold largely in some sections. But is mostly used with corn-box in the rear.

It has the same dropping device and fertilizer feed as our other Planter. We furnish them with double or concave wheel. In some sections the concave wheel is preferable for rolling or pressing the ground down on the corn.

All the Planters we make have the spring trip cut-off in the corn hopper instead of the brush. This is preferable to the brush, as it does not break any corn, and is more durable. We, however, can furnish the brush block with any of the Planters if so ordered.

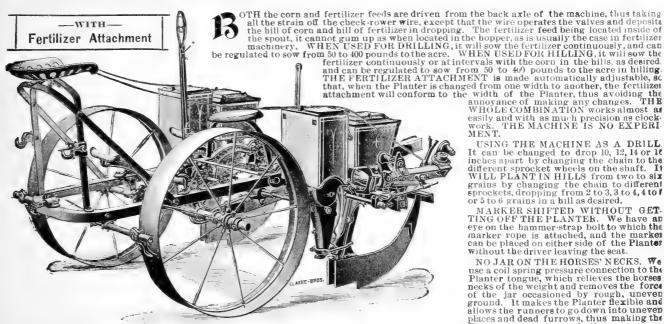
Same Price as Fig. 28 B.





THE EVANS

Steel Frame Combined Drill and Check-Rower Corn Planter.



attachment will conform to the width of the Planter, thus avoiding the annoyance of making any changes. THE WHOLE COMBINATION works almost at easily and with as much precision as clockwork. THE MACHINE IS NO EXPERIMENT.

USING THE MACHINE AS A DRILL. It can be changed to drop 10, 12, 14 or 16 inches apart by changing the chain to the different sprocket wheels on the shaft. It WILL PLANT IN HILLS from two to six grains by changing the chain to different sprockets, dropping from 2 to 3, 3 to 4, 4 to 7 or 5 to 6 grains in a hill as desired.

MARKER SHIFTED WITHOUT GET.
TING OFF THE PLANTER. We have an
eye on the hammer-strap bolt to which the
marker rope is attached, and the marker
can be placed on either side of the Planter
without the driver leaving the seat without the driver leaving the seat

NO JAR ON THE HORSES' NECKS. NO JAR ON THE HORSES' NECKS. We use a coil spring pressure connection to the Planter tongue, which relieves the horses necks of the weight and removes the force of the jar occasioned by rough, uneven ground. It makes the Planter flexible and allows the runners to go down into uneven allows the runners to go down into uneven places and dead furrows, thus making the Planter cover more perfectly.

NOVEL CONNECTION TO COUPLE FRONT TO BACK. The arms connecting to the boxes on the planter-beam are slotted so that the Planter has a perfect floating motion, and is adapted to all conditions of the ground. This feature is found on no other combination Planter.

THE MACHINE IS ADJUSTABLE IN WIDTH, being so arranged that it will plant 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 8 in., 3 ft. 8 in., or 3 ft. 10 in. apart for the Eastern trade. For Western trade, 3 ft. 6 in., 3 ft. 8 in., 3 ft. 10 in. The arrangement for changing it is very simple, as it is accomplished by simply loosening a few bolts. Wheels will run on or off the rows as desired.

Plain Planter.....\$30.00 Planter with Fertilizer Attachment.....\$40.00 Check-Rowers with 80 Rods of Wire.....\$10.00

SPECIAL PRICES FOR CASH.

Corn Planter Runner.



We are Headquarters for Corn Planter Bunners made to fit the following-named styles: Evans, Farmer's Friend, Hamilton, Barlow, Richmond Champion, Hench & Dromgold, Keystone, Jr., U.S., Black Hawk and Challenge. In ordering Planter Runners always state, as near as possible, the year Planter was made: whether steel the year Planter was made; whether steel or wood frame; or, better still, a diagram showing position of hole and style of bend.

Price, per pair.... \$3,50

THE GORDON

Automatic Hand Corn Planter.

ITS ROTARY SLIDE has a motion TWO wavs-back and forth.

Price

Check - Rower Wire.



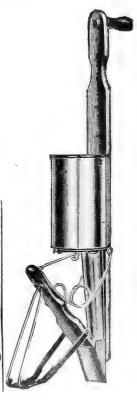
In Coils, 10 20, 40 or 80 Rods. Price per Rod \$0 06

In ordering, state if 3 or 3 check

CHECK-ROWER SPRINGS.



Check-Rower Springs and Buttons to fit most of the leading Planters, but do not carry in stock any extras except those the Evans.



A BARANA

Improved Robbins **PotatoPlanter** IT will successfully and regularly drop the pieces of ato regardless of size. By a simple device the tertilizer

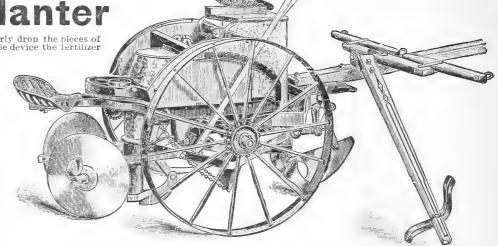
potato regardless of size. By a simple divided and prevented from compotatoregardless of size. By a simp, is divided and prevented from coming in direct contact with the potatoes. The seed is covered lightly by means of a pair of discs. The speed of the dropper is regulated by a simple change of sprocket wheels, those sent with Planter dropping a distance of 12, 14, 15½, 17, 18½ or 20 inches. The capacity of fertilizer distributor is up to a ton per acre, depending on condition of fertilizer; by a simple adjustment of gate or change of sprocket wheel the amount sown is quickly and easily regulated.

THE PLOW.—This season, for the first, we offer our Improved Robbins Potato Planter fitted either with an Opening Plow preceded by a Shield, as heretofore, or one preceded by a Rolling Coulter or Straight Disc.

In some sections the Shield is preferable metals and contact with Disc be-

In some sections the Shield is preferable, while in others the Disc becomes a necessity for the satisfactory operation of the Planter.

Special Discount for Cash



The No. 1 Planter, with Fertilizer Distributor, \$65.00 PRICES } Leveler Attachment.

Pea Sower Attachment, \$5.00.

Machine Will Evans Potato Planter, No. 55.from Seven to Ten Acres Per Day. T is a force feed, and is positive in its action, and its operation is controlled by the machine instead of by the size of the seed potential.

Tis a force feed, and is positive in its action, and its operation is controlled by the machine instead of by the size of the seed rotates.

TO CHANGE THE DISTANCES APART IN DROPPING.—The machine will drop the potatoes in drills 10, 12, 14, 16, 18, 20, 28 or 36 inches apart. The change for different distances apart is accomplished by putting on more or fewer picker arms.

VIBRATING FEED HOPPER BOTTOM.—The bottom of the hopper is constructed with two feeding channels, which vibrate from the top of the hopper down to the bottom of the concaves, thus assuring an even and steady flow of potatoes.

A NOVEL MARKER.—It is positive in operation, is constructed on the principles of the hand lever, has a spring catch which holds it in an upright position when turning around, is readily operated by the hand catch, and cannot fall when turning on hilly ground. The marker is arranged with a sliding marker head, so that the machine will plant the rows any distance apart desired.

marker nead, so that the machine will plant the rows any distance apart desired.

WIDTH OF THE MACHINE.—The machine is 36 inches wide from the centre of one drive wheel to the centre of the other.

Disc Coverers Furnished When Desired.

FERTILIZER ATTACHMENT.—This machine can be furnished with a Fertilizer Attachment when desired. It is made on the same principle as those on the Evans Corn Planters.

Prairie City Potato Cutter. The Prairie City Potato Cutter will cut potatoes for seed faster than seven or eight men can by hand.

DIRECTIONS. tato at a time. If the lever sug-gests some other way, you can, by two screws, take it off and change it by making it longer, or hy making the paddle the paddle smaller or larg-

use a wooden mallet. Be careful not to press or strike harder than sufficient to drive the potato down—a little experience will determine the force required. Price, \$2.00

er, or you can leave it off and

-THE Latest Improved Peach and

Potato Sorter

The most delicate.

rike The most deteate, gittle ripe and softest 200 peaches, apricots, plums, etc., can be graded in the machine without the least injury; it can be adjusted to change the size of the grades required. Fruits sell better by being properly sorted. It is the only machine that will sort both peaches and potatoes; it runs as light as a sewing ma-chine with foot treadle; it is easily operated. Weight, 200 pounds.

Shireman's patent.

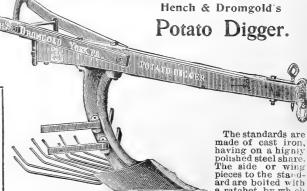
RETAIL PRICE.

No. 1—Capacity 2,000 bushels per day, \$25.00

NoAdjustment Necessary to Suit Sizes of Pieces of Potatoes.

PRICE. \$50.00 Special Price

for Cash.



a ratchet, by which they can be adjusted to the fingers extending back from the standard are made in a zig-zag form, instead of straight as shown in cut, on account of which they separate the potatoes from the ground better than straight ones. They are made of spring steel, and are very elastic and durable. Price, \$7.00.

WE ALSO WE ALSO CARRY THE Hitchcock Potato Digger.

REPAIRS - Extra Steel Point, 60c.; Extra Beam, \$2.00; Cast Head, \$1.00,

Griffith & Turner

Manure Spreader.

As a Labor and Material saver this is one of the most economical implements used on a farm. It will spread just the quantity desired and do it everly, covering every square not with finely

ing every square inch with finely purserized manure in one-tenth the time required with shovels and forks. Drill attachments can be changed to lime hood by removing the chutes and adding the lime board.

CHANGE OF FEED.—By means of a very ingenious device, worked by means of a foot lever, the amount of manure can be changed instantly to a greater or lesser quantity. This is a very desirable improvement, for frequently both poor and rule land are found contiguous; withland are found configuous; with-out this arrangement it is im-possible to regulate the quan-tity. It is not found on any

other Spreader made.
SAFETY END BOARD.—This
will not admit of clogging. The
Distributor cannot be thrown in
gear until the Safety Board is

gear until the Safety Board is raised. This operation is controlled from the driver's seat, and prevents waste of material.

The Rear and E.—This is of the utmost importance. In other Spreaders the main axle is made of shafting 1.15-16 inches diameter. In this is used a 2-1-16 inch axle of the best cold drawn steel. This rear axle must sustain its share of the load, besides driving the mechanism of the Beater device, hence it must be practically unbreakable.

PRICES.

	_
Size A, capacity 30 bushels	.,\$100.00
-ize B, capacity 40 bushels	. 105.00
Size C, capacity 50 bushels	110.00
Drill Attachment for leaving m	a-
nure in rows, extra	
Wind Brake, o Lime Hood, fe	OT
windy weather, extra	5.00
Brake or Lock for hilly section	15,
ex ra	

Three-Horse Evener, extra..... Slow feed, for lime, ashes etc., extra Lugs, per set of 28, for use in frosty 2 25 weather

Fertilizer Distributer.

Whiffletrees, Neck Yoke and Two-Horse Evener furnished tree

Special Discount from these Prices.

the draft of this machine is rendered much lighter than any other Owing to the neculiar construction of the Beater Device

Single Row.

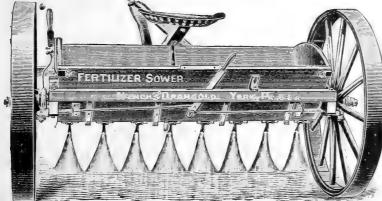
HIS DISTRIBUTER has same Fertilizer Feed

THIS CUT REPRESENTS OUR

Fertilizer Distributer,

to open the row, and at the same time distribute the fertilizer evenly rear shovel to mix the fertilizer with the soil, which is very important.





Fertilizer, Lime and Ash Distributer.

THIS Fertilizer Distributer will sow, evenly, Fertilizer Paris Green, etc. The machine is easily operated. The lever on the rear throws the machine in and out of gear The lever on the left side changes the feed to a small quantity for sowing, even Paris Green, and will sow as much as 8,000 pounds of fertilizer per acre.

	A MAN CANA	
No. 1. Distributer.	3′ 6′′	\$30.00
No. 2. Distributer,	4' 8''	36.0 0
No. 3, Distributer,	5′ 10′′	42.00
No. 4, Distributer.	8'2''	48.00
We furnish these I	istributers with boots	at \$10.00 ac

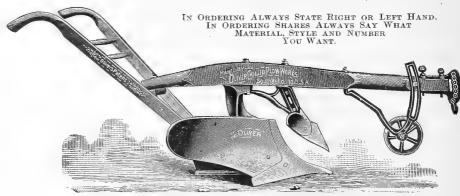
vance on No. 1; \$13.50 on No. 2; \$16.50 on No. 3.

Those persons who use unsifted lime can order extra screen, which is a little larger than the box. Price \$2.50.



Genuine Oliver Chilled Plows and Repairs.

 $oldsymbol{arphi}_{oldsymbol{0}}$ is a considered for the second for the second second $oldsymbol{arphi}_{oldsymbol{0}}$ DON'T forget to look
for the
Oliver Trade Mark
on all Oliver Goods. None
genuine without it.



PLOWS-PRICES.

No.	A-1 and A-2B B Vineyard, right hand only10-01319	7.50 7.00 8.00 8.50	No. 22, Iron Beam	9.50 9.50
	20			

OLIVER COMBINATION PLOWS.

	WOOD BEAM, RIGHT AND LEFT HAND.	
No. 120-Ali	Chilled, only	\$ 9.50
16 140—All	Chilled, only	10.00

OLIVER SPECIAL PLOWS.

No. 1—Road and Grading Plow, all steel, with Standing Coulter and Gauge Iron or Wheel. The Oliver Sub-soiler, best of its kind, with Wheel. 14.00

OLIVER HILLSIDE PLOWS.

OLIVER REPAIRS.

MOULDBOARDS.

	A-1 and A-2	1	No. E\$3.0 '' 14 A, Steel	90
16	10-0	- 1	98 2.7	
18	13 and 13 Vineyard 2.25	-	" 99 3.0	
15	19 2.50	-	" 119 2.5	
16	20 2 75	ı	" 120 2.7	
.6	22		" 140 3.0	Ю
3.01	40			

STANDARDS.

Vo.	A	No. 20 \$2.25				
	B 1.50	40				
96	B. Vineyard 2.00	" E 2.50				
	10-0	" 119 2.50				
8.6	13 2.25	" 120 2.50				
36	19 2.25	" 140 2.75				
CHADEC						

SHARES.

Numbers.	CutterShares.	Plain Shares.	Cutter Slip- Nose Shares.	Plain Slip- Nose Shares.	Reversible Shares,	Cast Reversible Slip.
A B	25c. 25c.	15c. 18c.		25c. 25c.		10c.
B. Vin.	200.	18c.				
10-0	20c		30c.			10c.
13	20c.		30c.			10c. 10c.
19	25c.		35e.			10c.
20	25c.		35c.			10c.
22	40c.	35c.		40c.		100.
30 40	30c.	25c.				10c.
40	25c.		40c.			10c.
E	25c.		40c.	07.0		10c
14-A	30c.	25c.		35c.	25c.	15 c .
98	50c.				25c.	15 c .
99	50c.				30c.	20c.
119					30c.	20c.
120					30c.	20c.
140		1				200.

All Polished Points, each, add extra 10 cents Non-Reversible Shares and Slips same as Reversible. Bowers' Slips same as other slips.

LANDSIDES.

No.	A \$.35	No.	E \$.60
46	B and B. Vinevard	.45	6.6	14-A. Cast
4.6	10-0	.50	6.6	14-A. Steel 1.00
4.6	13 and 13 Vinevard	.55	6 (98
11	19	.60	6.6	99
				119
8.6	22	.75	6.6	120
8.6	30	.60	4.6	140
8.6	40	.60		
		,		

HANDLE BRACES.

No. A	25 cents.	
B-10-13-13 Vineyard, B Vineyard	30 "	
All other Handle Braces	50 "	

HANDLES.

COMPLETE.	-PER SET.			
No. A-B-10-0	No. B Vineyard \$2.00 ** 98-99-119-120 and 140 1.85 ** 113 1.60 ** 19-20-E and 40 1.75			

HANDLES.

PER PAIR AND SINGLE.	
All numbers, per pair, loose	

CLEVISES.

Cle	vises	Marked "A," for One-Horse Plows\$.20
	6.6	Marked "B," for Two-Horse Plows	.30
	6.6	Marked "D," for Three-Horse Plows	.50
	66	Shackles, Twisted	.10
	4.4	Wrenches	.05
	6.6	Guide Pins	.03
	6.6	Shackle Pins	.03
	6.6	Links, Two-Horse	.05
	6.6	Rings, One-Horse	.05

BEAMS.

No. A-B-B Vineyard and 10\$1.0	0
All other numbers Wood	æ
No. 22, Iron 4.2	ъ



OLIVER REPAIRS--Continued. ROLLING COULTERS.

We have Rolling Coulters to fit every kind of Oliver Plows upon which they may be required. See prices below. 11-inch, for One-Horse Plows, complete.....

13-inch, for Two or Three Horse Plows, complete 3.00

COMBINATION PLOW REPAIRS.

Numbers.	Mouldboard Lugs.	Handle Lugs.	Mouldboard and Landside Braces.	Shins.	Levers.	Springs.	Landside Plates.
98 99 119 120 140	20c. 20c. 20c. 20c. 20c.	20e. 20e. 20e. 20e. 20e.	40c. 40c. 40c. 40c. 40c.	20c. 20c. 20c.	20e. 20e. 20e. 20e. 20e.	5e. 5e. 5e. 5e. 5e.	5c. 5c.

HANGING COULTERS.

These are made to any of our Jointer Holders, and take the place of the Jointer where their use is desired.

All other numbers, complete, Two-Horse. \$2.06
All numbers, complete, One-Horse. 1.50
Holders, same as for Jointers. 1.00

HILL-SIDE PLOW REPAIRS.

Plow Nos.	Chilled Mouldboard	Steel Mouldboard	Standards.	Landsides.	Cast Shares.	Set Handles.	Beams.	Clevises.	Wrenches.	Wheels.	Jointers.
52 53 55 58	\$2 00	\$2.75 3.00 4.00	\$2,75 3.00 3.25	\$.65 .75 1.00 .75	\$.45 .45 .55 .45	\$1.75 1.75 2.00 1.25	\$1.00 1.25 1.00 4.00	\$.20 .30 .35 .25	\$.15 .15 .15 .15	\$.75 .75 1.25 1.00	\$2.0

Note.-Where blank spaces occur, parts are not made, hence prices are not given.

No. 55. Jointer Standards, Wrought	No. 52-D-M, B, Foot
55. Wheel Standard, Double	" 52-F-M B Brace 60 " 52-H, Lever 1.0 " 52-I, Handle Part 3

WHEELS.

Their use is strongly recommended in wet or mellow ground.	Can be furnished for nearly all our patterns. See prices below
straight Standard, One-Horse, complete \$.75 Brace, Standard, Two-Horse, complete 100 Standards, One Horse, straight 40	Wheels, only, Two-Horse. 5.64 Hubs

JOINTERS.

Decidedly the most important of all plow attachments, and can be used on most of our plows. The plowman who once uses a Jointer will never want to do without it.

 No. D. Chilled, for One-Horse Plows
 \$1.50

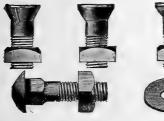
 " 140, Chilled, for Nos. 120, 125 and 140 Plows
 2.00

 2, for Two and Three-Horse Plows
 2.00

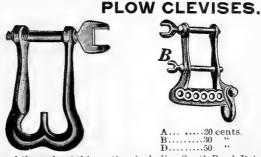
 Jointer Points, Chilled, all numbers
 15

 Jointer Mouldboards.....

Plow, Machine and Carriage Bolts and Nuts.











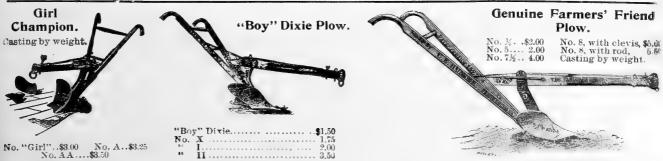
Extras furnished for most of the other Chilled and Cast Plows used throughout this section, including South Bend, Roland, Syracuse, Bissell, Wiard, etc. Also keep on hand full stock of Clevises for Minor & Horton, Farmers' Friend, Girl Champion, Boy Dixie and other Southern Cast Plows, and a full supply of plow, cultivator and machine bolts.

PLOW CAST

Minor & Horton High Standard Plows.

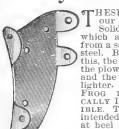
No. 19.....\$3.25 \\
No. 19\(\frac{1}{2} \)..... 4.00 \(\frac{1}{2} \)

Plain Casting per lb.





Pony Series Frogs or Saddles.-Steel.



'HESE cuts show our Pony series Solid Steel Frogs which are forged from a solid piece of steel. By the use of this, the strength of the plow is increased and the draft made lighter. This Steel Frog is Practi-CALLY INDESTRUCT-IBLE. The adjustable heel is

intended to take up the wear at heel of landside, and as

at heel of landside, and as long as it lasts it is practically a new landside. A great improvement

HESE Plows have a wide reputation for superiority in quality and finish, and for lightness, because steel being tougher than cast iron, can be made thinner. They take on a much higher degree of earth polish than is ordinarily found in

cast plows that are not chilled, and consequently will scour in any ordinary clay soil. They are all made with STEEL STANDARD AND CAP, SLOPING LANDSIDE AND ADJUSTABLE SLIP HEEL, and will do superior work in all cotton and corn lands,

We furnish them in the following numbers and sizes:

Pony-Light one-horse, 7-inch cut, wood beam. Very popular. Price, with our extra steel point... \$2.20 A. O.—One-horse, 8-inch cut, wood beam. Price,

with extra steel point 2.75 B. O .- One-horse or light two-horse, 9-inch cut, wood beam. Designed for either stubble or light sod, doing both kinds of work in the most satisfactory manner. Very light draft. Price, with extra steel point.....

C. O —Two-horse, 10-inch cut, wood beam. Price, with extra steel share..... 5.00

D.O.-Two-horse, 11-inch cut, wood beam. It turns its furrow slice perfectly. Price, with extra steel point..... 6.25



Hampton No. 1, C or Jersey & Attachments.

AS adjustable handles, beam and brace rod. Extras are ground. There are several improvements on this implement. We confidently offer it now as one of the best truck plows made, and with the several attachments that go with it the farmer may feel that little more is to be desired for the plowing and proper cultivation of all his crops. First class work can be done on all kinds of soil. One of the strongest features is its length of landside, causing it to run perfectly level. The beam is provided with both a vertical and lateral adjustment, which is easily effected, as there are no mortices in the beam. All repairs are polished, which prevents sticking and insures easy running.

running.

Find below description of repairs and extra at-

tachments:
With every Hampton No. 1 C Plow is sent 3 extra moulds and one extra share and wrench, as

Tra mounds and one extra share and record, we follows:

No. 1 B, Fig. 3 in cut-A regular one horse mould board used on all regular No. 1 Plows.

Cabbage, Fig. 2 in cut, smaller than No. 1 B—
Particularly adapted to the second cultivation of ALL CROPS

Truck, Fig. 1 in cut—A small mould board suitable for the early cultivation of all truck.

No. 1 C—Illustrated on plow is a large one horse mould board turning a strong furrow.

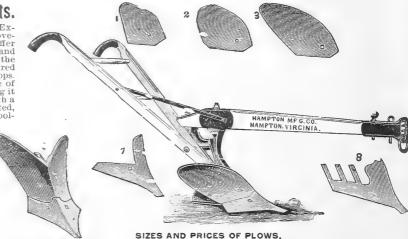
All of the above are included in the price.......\$4.00

The following attachments are sold extra:

The double mould board and point (Fig. 6 in cut) is used for opening furrows and hilling up, and can be attached to the standard by removing the point and mould board. The sweep point is same as No. 8, but without the fingers. A splendid weeder.

Fig. 7 in cut is a cutter or sod land point. Very popular. Fig 8 in cut is a potato digging attachment. Very effective for the purpose.

LIBERAL DISCOUNT TO THE TRADE.



HAMPTON BOY.

HAMPTON No. I REGULAR.

This style is similar to the Boy, but larger. Attachments are: truck mould board, point and wrench.

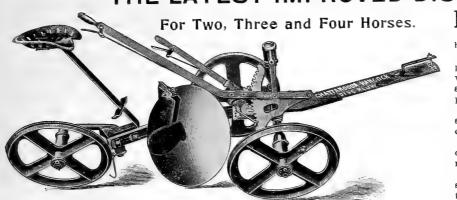
HAMPTON No. 5.

LIBERAL DISCOUNT TO THE TRADE.

Casting on all Hampton Plows......Price, plain 4c.; polished 5c.

Chattanooga-Hancock.

THE LATEST IMPROVED DISC PLOW.



IT handles more cubic inches of soil with less draft than any other Plow made; it turns under stalks, trash and weeds completely; it breaks up "hard pan" and pulverizes the soil.

It leaves the ground at bottom of furrow porous and natural; it prepares the soil to withstand either a wet or dry season; it insures better crops than any other method of plowing.

It is so simple in design, so few in parts, and so perfect in construction that anyone can operate it.

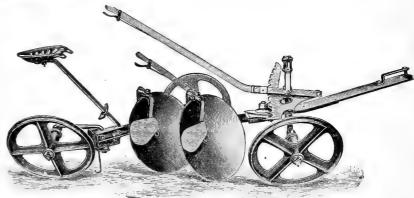
It is not a sod plow; it is a pulverizer. You cannot pulverize sod. Everywhere else it is all right.

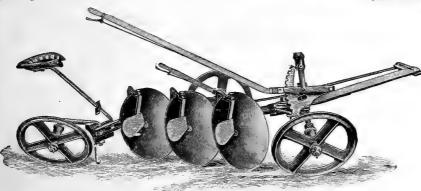
The first cut shows the SINGLE DISC; the second, the DOUBLE DISC, and the third the TRIPLE DISC.

Heretofore Disc Plows have only been successful in either very hard or sticky land. They have lacked essential features to make them popular or valuable to the average farmer. Improvements have been added to the Hancock Disc Plow, and we now offer it on its merits.

They are made on the same frame and act on the same principle, and what is said about the Single Disc pertains to others. It is only a matter of number of borses. If 100 lbs. be added to the draft of the Single it will cover the Double, and 100 lbs. more would cover the Triple. It will be seen the d.fference in draft is comparatively slight.

We guarantee our Disc Plow to do good work, not only in hard, dry and sticky ground, but to do good work in any failow ground, either clean or trashy; in short, to be good anywhere, at any time, and when plowing can be done.





We guarantee against breakage for twelve months caused by defects in material or workmanship. We found it impossible to fill the demand last Autumn, and have taken a number of orders for Spring delivery. Customers desiring these Plows will do well to place their orders as far in advance as possible,

Full directions come with each Plow, so simple that any farmer with ordinary intelligence need have no trouble.

Single Disc, with Double and Triple Trees. \$40 00 Double Disc, Double and Triple Trees 56 50 Triple Disc, with Double and Triple Trees 70 00

If four horse eveners are wanted, instead of three horse eveners, price will be extra, \$1 50.

TESTIMONIALS

Glenburnie, Md.

NOVEMBER 6TH, 1901.

Griffith & Turner Co.,

To-day I ordered from your agent a Chattanorga-Hancock Disc Plow, upon condition
that it plow wire grass land. I gave it a trial
and found I could do good work with two
mules, where I could not plow with four mules
with an ordinary share Plow. I think it is impossible to get a better Plow for plowing wire
grass, and am so well pleased that I will pay
cash without further trial.

C. B. WARFIELD.

Gentlemen:—I have seen several different kinds of Disc Plows work, and consider the Chattanooga-Hancock which I purchased from you far superior to any of them. I have been using this one for over a year, and I am more than pleased with it, and will be glad to answer any inquiries with regard to it.

JAS. D. HUGHES.

Elliott a d Robinson Sts.,

11-8, '01, Baltimore, Md. Brooklyn, A. A. Co., Md.

NOVEMBER 14TH, 1901.

The Disc Plow I have purchased from you is giving me entire satisfaction. Am much pleased with the same so far.

FRANKLIN MEWSHAW.

Gold Medal Sub-Soil Plow. This is a very superior implement, com-bining lightness of draft, economy and per-fection of work. The plow will reach a fection of work. depth of 20 inches.

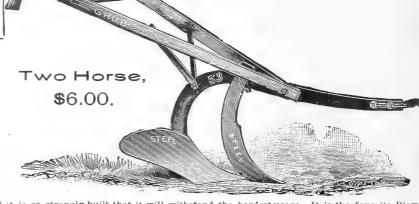
PRICE.

1	Horse, with cast point, plain	\$5.00
1	Horse, with cast point, with wheel	6.00
1	Horse Cast Share	.50
2	Horse, with cast point, plain	7.50
2	Horse, with cast point, with wheel	8.50
2	Horse Cast Share	90

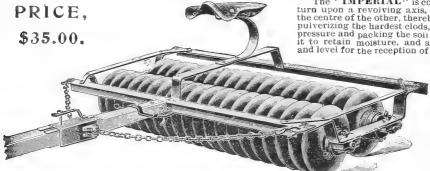
Old Dominion Grub Plow.

With this Plow the "toughest" piece of rooty ground in America can be brought into subjection. It is peculiarly adapted to newly cleared ground that is encumbered with growth of hazel or other

Dushes. All wearing parts are of the best steel, and it is so strongly built that it will withstand the hardest usage. It is the favorite Plow of its class. It is built in RIGHT HAND ONLY, and cuts about 7 inches. If you ever have a demand for a new ground Plow, you should try this one. It will please the" toughest" customer.



Imperial Pulverizer, Clod Crusher, Roller and Leveler.



The "IMPERIAL" is composed of two sets of hollow disc rollers which turn upon a revolving axis, one set being placed directly behind and just in the centre of the other, thereby covering every inch of ground, and effectually pulverizing the hardest clods, and at the same time subjecting the ground to a pressure and packing the soil a couple of inches below the surface, enabling it to retain moisture, and at the same time leaving the surface loose, mellow and level for the reception of the seed, making the most perfect seed-bed ever

yet obtained. There have been many attempts

yet obtained. There have been many attempts made to produce a tool that would accomplish this, but they have all failed in certain respects. Most Pulverizers tear up the soil and leave it too loose to retain the moisture, or to allow the roots to obtain a firm hold, while others, in their attempt to pack the soil, will press clods beneath the surface, thereby leaving it in a very undesirable condition for the reception of the seed, as every farmer will readily admit; and, if a harrow is put over the field again, all the clods come to the surface and the field is as rough as ever. The "IMPERIAL" thoroughly pulverizes the hardest clods, while at the same time it presses the soil sufficiently to retain the moisture and form be used before and after sowing, and can be used

A firm bed for the roots of the grain, etc. To obtain the best results the "IMPERIAL" should be used before and after sowing, and can be used en corn right after coming up with a very good effect.

DARNELL'S IMPROVED PATENT FURROWER AND MARKER.

Strong, light and durable. A half-dozen tools in one and sach worth the purchase price.

Runs steadily and cannot be choked. Adjustable throughout. Gauge self-adjusting to all inequalities of ground.

every part well made of good material, and no end to its wear



and usefulness. Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolv-ing discs or Furrowers, fifteen inches in diameter, with chilled huband steelaxle, cutting a clean, straight furrow. Shipping weight. 140 pounds.

EXTRA HEAVY Steel Beam Georgia Stock, No. 8.

With adjustable land-slide and rudder. This Plow Stock has an extra long and very strong beam and heavy foot The construction of this steel beam makes this the best and strongest PlowStockonthemarket Price, \$1.50

STEEL BEAM GEORGIA STOCK,

No. 1.

For the purpose of attaching shovel blades or steels of any kind used on Shovel Plows. The beam is made of a plate of steel, formed in the shape of a U bar, the front end being arranged with an adjustable clevis, dispensing with the need of a lap ring. The rear part of the beam forms a steel box for the Plow handles, thus making it impossible to solit the handles. Regular Georgie Stock Plow to split the handles. Regular Georgia Stock Ple Handles will fit these Plow Stocks. Price, \$1.25.



Everlasting Tubular Steel Doubletrees.

PLOW DOUBLETREES IN SETS COMPLETE, Made in Three Sizes.

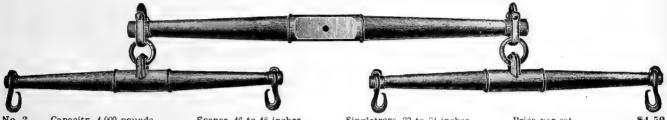
Singletrees Equipped with Hooks or Rings for Trace Attachment.



For Light Plowing in Moss Soil, Length For Regular Plowing in Clay Soil, For Extra Heavy Plowing, Street Making, etc. SPECIAL Length, 33 inches and 28 inches.
36 " and 30 "
36 to 38 " and 30 to 32 " and 30 to 32 DISCOUNT FOR CASH

Price perset..... 3.00. 3.50,

In Two Sizes. Made Equipped STEEL FARM WAGON DOUBLETREES IN SETS COMPLETE. With Rings or Hooks for Traces. PATTERN No. 89.



Capacity, 4,000 pounds 7,000 pounds

Evener, 46 to 48 inches,

Singletrees, 33 to 34 inches.

Price per set......\$4.50.

SPECIAL DISCOUNT FOR CASH

Steel Farm Wagon Neck Yokes, Made In Two Sizes. PATTERN No. 95,



38 inches. 40 inches

.. \$1.20. Price, per each..... Price, per each 1.35.

See Page 103 for Contractors' Doubletrees and Neck Yokes. SPECIAL DISCOUNT FOR CASH.

Clips for Singletrees.

Steel Plow Singletree With Welded Ring In Centre.

PATTERN No 94.-Five Sizes.

	inch	Plow	Singletrees	ι,			٠,			 			٠,				,	each,	50c.
26	66	9.6	44								٠							. ** '	55c.
88	15	0.0				٠.		٠		 								- 16	60c.
90	8.6	6.6	4.6										: .			,		66,	65c.
32	5.6	16	6.6									0						. 66	80c.

Wood Single, Double and Triple Trees.



Southern Double trees \$.75

Extra Heavy Triple Trees .\$2.00.

Set. Doz Sets. No.26—One Centre ½ in. Clip, welded, and two ¾ inch End Clips, welded with 5-16 inch books as used on our 28 inch

hooks as used on our 34 and 36 inch Heavy Singletrees.....

Clipsfor Doubletrees. Set. Doz. Sets.

Sets of Welded Clips.

Oval, Lap or Open Rings, 10c, each. Chain Repair Links, 20c. per

2.25 van.a Doubletrees .33 3,50

Wood Neck Yokes.



Ironed Complete PRICE, 75 CENTS.

Hench & Dromgold's Improved Walking or Riding Spring Tooth Lever Harrow, on Wheels.

It is an established fact that land prepared by a Spring Tooth Harrow for wheat is the most acceptable and common sense method, but the complaint of some has been heavy draft. Now, to meet that objection, a set of wheels has been added; consequently the draft has been lessened almost one-half a horse less than on the float spring tooth Harrow; fifteen inches can be worn off the teeth by the use of the lever and the ratchets; the slat can be removed in a second; the lever can be arisached to the middle rollers, it so desired, when used altogether for riding, and the wheels, when the teeth are set the desired depth, prevent its going deeper than required by the operator, and consequently it cuts the same depth in case hard or soft ground is encountered alternately. The front wheels are pivoted and the evener is attached to the pivoted wheels, so that the Harrow will draw at ease after the horses, causing it to draw straight, each tooth cutting its own course or way. It is also admirably adapted to putting corn and in condition for seeding wheat, as the depth is easily and immediately regulated by the lever. It is pivoted in the centre and c in be uncoupled it a moment without the use of boils or split keys, and can then be used as a one-horse Harrow, which makes it quite convenient, either half being adjusted with perfect case.

SPECIAL DISCOUNT FOR CASH.

SPECIAL DISCOUNT FOR CASH.

15-Tooth Harrow, without seat. \$16.50 | 19-Tooth Harrow, without seat.. \$18.50

17-Tooth Harrow, without seat.. 17.50 | 21-Tooth Harrow, without seat.. 19.50

(If seat is wanted price will be 75 cents extra.)

SPIKE HARROW TEETH.

WHIPPLE'S

Supplementary Adjustable Harrow Tooth Points ...

OLD HARROWS MADE AS GOOD AS NEW AT SMALL EXPENSE.

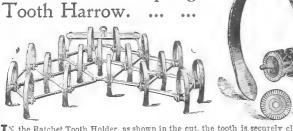


THESE Points are made of a high grade of steel and will outwear the original Points. The ears extend back, and the Point being made of spring metal, allows the ears to be drawn together, clamping the shank firmly, and it the old teeth are out of line, the Points being adjustable, can be lined up, so that every tooth will rest on the ground.

These Points will fit any of the old Spring Teeth on the market.

Price, Point......10c. each.





In the Ratchet Tooth Holder, as shown in the cut, the tooth is securely clamped between two malleable ratchet clips, which engage with the ratchet frame clip, and is held firmly and securely by one bolt to each tooth, on which it rotates as on a pivot. By this arrangement, if the teeth are worn off or cut off as much as fifteen inches, they can be set to run as deep as when new. It is so hinged that either side can be raised straight up or at right angles, for passing stumps or trees.

SPECIAL DISCOUNT FOR CASH.

14-Tooth Ha	rrow	 		 \$12.50
16-Tooth Ha	rrow	 		 12.50
22-Tooth Hai	rrow	 	• • • • • • • • • • • • • • • • • • • •	 19.90

Daisy Cultivator on Wheels ...

THIS style of Cultivator is precisely the same as either half of the regular Spring Tooth Wheel Harrow, with the addition of handles. It is an admirable implement for use with one horse in working crops in rows. We can furnish anyone having the regular Harrow a set of handles and braces, and they can be attached to either half. The front wheel is pivoted, and will draw with ease after the horse, causing it to draw straight. The wheels guide it and cause it to run steady, and each tooth will cut its own way. For turning at the ends the teeth can be raised by the use of the lever, and is very easy to operate. The frame is made of "I" Beam steel; the rollers or bars are also of steel, the castings being malleable, and the beststeel used in our teeth, make it one of the most durable and complete Cultivators or small Harrows ever offered to the public. We solicit your patronage.

RETAIL PRICE.

7-Tooth 8-Tooth		10-Tooth 8 9.75 11-Tooth 10,25
9-Tooth	9.25	

Spring Harrow Teeth

FOR LEADING HARROWS,

Hench & Dromgold, Stevens, Perry, (hilds, U. T. K., Tiger, Buffalo Pitts, etc., etc.



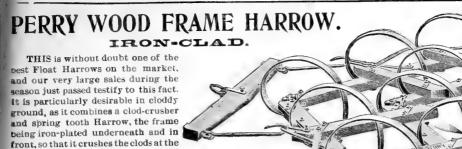
Price 30c. each. When taken in full sets a special price.



THE cut represents the DAISY CULTIVATOR, with handles for use similar to the DAISY ON WHEELS. This Cultivator has the same ratchet holder as will be found on all of this make of Harrows. It is built with 6 or 8 teeth, but can be used with 5, 6, 7 or 8 teeth, as desired. By simply unbolting the two outside teeth of the 6-tooth Cultivator it can be used with 4 teeth, and by taking out the middle tooth on the right-hand side, and setting the rear tooth in the centre, it makes a 5-tooth Cultivator.

RETAIL PRICE.

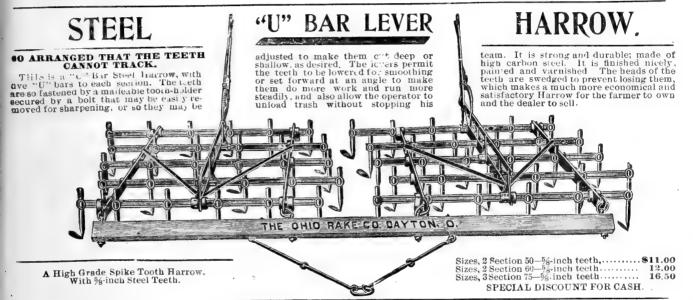
Price of	6-Tooth	Cultivator, with	wheel	\$5.00
Price of	8-Tooth	Cultivator, with	wheel	6.00
Price of	10-Inoth	Cultivator, with	wheel	7.25



same time the teeth stir up the ground, and the frame prevents it sinking too deep. Rolt heads fully protected. Teeth cannot get loose. Simplicity itself and very strong.

SPECIAL DISCOUNT FOR CASH.

Wood Frames only, with regular lining, 16-T, \$6.0); 18-T, \$6.25; 20-T, \$6.50; 22-T, \$7.25.



Adjustable Tubular Frame Lever Harrow.

THIS HARROW can be used as a straight-tooth pulverizing Harrow, or a straight-tooth smoothing Harrow. By means of the lever the teeth can be set straight or to any desired slant. The beams are made of iron tubes and the teeth pass through the same and are threaded and held firmly in place by a tap. If stalks and trash accumulate on the teeth when used as a straight-tooth Harrow the teeth can be changed in a moment, by means of a lever, to a standing position, for clearing off the same as a smoothing Harrow it never clogs, all rubbish being cut in two or passing down and off the ends of the teeth and completely buried. For cultivating young corn in its early stage it is admirably adapted.

Specially adapted to cultivating wheat in the spring.

Price with 50 teeth....

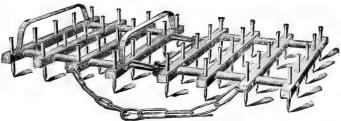
SPECIAL DISCOUNT FOR CASH.

Baltimore Double Hinge Harrow.

THIS is a two section, wood frame, spiked-tooth Harrow. It is so coupled that each section has a vibratory motion independent of the other. It is simple and durable. The frame is of hardwood, nicely finished and painted. The runners, as seen in the cut, are intended to be used in carrying the Harrow from one field to another; the value of this feature any good farmer will appreciate.

It cuts 6 feet 6 inches and contains 40 teeth-

SPECIAL DISCOUNT FOR CASH. Price \$8.00.

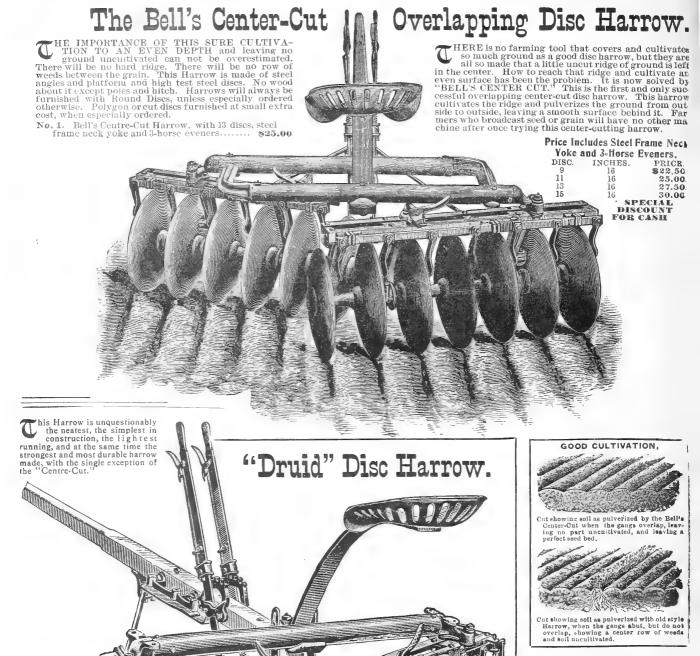


GARDENER'S HARROW.

HIS Harrow is similar to the Baltimore Double Hinge Harrow, only it is made in one section instead of two. It is just the thing for small, hilly farms, or for market gardeners. It is designed to be used by one horse, and is the essence of convenience in handling and getting around in small garden plots, etc. We furnish this Harrow with 30 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 8 inches wide. Price with 24 teeth..... 85.00 With 32 teeth....

SPECIAL DISCOUNT FOR CASH.

GRIFFITH & TURNER CO



THIS Harrow is made of steel angles extra heavy crossbeam of steel tubing. No wood about it but the tongue and the hitch. It has many advantages over the wood frame Harrow and, in addition, will last longer. While almost any disc harrow will do fair work under the mostfavorable circum stances, only the BEST will stand the test at all times and under all the various conditions of soil. The cut shows the Harrow up in excellent shape, giving the construction in detail, including the most perfect set of gang scrapers made. Furnished with neck yoke and whiffletrees.

74.0	DISC.		I to OI Cu	t. I IICO.
00	8	16	4	\$21.06
0	10	16	5	22.04
1	12	16	6	23,06
Car	also	furnish	a cheaper	line of
		Disc Ha	arrows.	

Inches Et of Cut Price

CAST-IRON. EVERY person who wishes a smooth, well-kept lawn realizes the fact that a good Lawn Roller is one of the necessities. So we add to our list the BALTIMORE, making our line the most complete for all purposes to be found anywhere. These Rollers are specially desirable; they will not dent; wet grass and dirt do not cling to them, owing to their highly polished surface and rivetless ends. Have counter balance, which holds up the handle and makes it easy to push.

No.	No. Sec.	Width Face.	Diam Sec.	Tetal Length.	Weight.	Price.
,		20 in.	20 in.	20 in.	250 lbs.	\$11,25
6	3	8 in.	20 in.	24 in.	300 lbs.	13.50
9	3	Sin.	24 in.	24 in.	450 lbs.	20.25
11	3	8 in.	28 in.	24 in.	500 lbs.	22.50

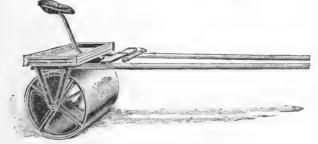
WE CAN FURNISH ABOVE ROLL-ERS TO WEIGH 50, 100 OR 150 LBS. MORE THAN THE WEIGHTS GIVEN, FOR WHICH ADD 4 CENTS PER LB.



SUPERIOR HAND STEEL ROLLERS.

No. A C F	Section.	Track. 20 in. 20 in.	Diameter. 20 in. 20 in.	Av. Weight.	List Price. \$14.00 15.00	Retail Price. \$12 60 13 50
F	2	24 in.	24 in.	400 lbs,	21.00	18,90
			Sold 10 no	roent off not		

The Baltimore Horse Lawn Roller.



THIS Roller is furnished with seat. We furnish this Roller in two sizes, Nos. 16 and 17. No. 16 (see cut) has 26-inch steel rim, 4 feet, one section, one horse; weight, 375 pounds. No. 17 has 26-inch steel rim, 4 feet, two sections, one horse; weight, 425 pounds.

No. 16 No. 17 20.00

HORSE LAWN ROLLER.

Two sections, 4 feet long, 24 inches diameter, average weight, 500 pounds. Price.

LAWN ROLLER. HORSE

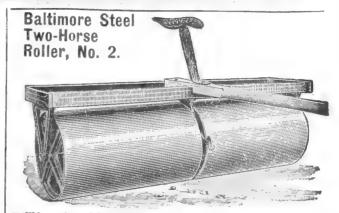
Three sections, 5 feet, average weight, 550 pounds.

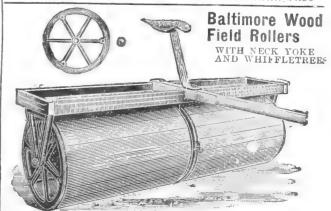
Superior Steel Field Rollers, No. 3.

J. Der sor wer

ROLLER has three sections of 2 feet each, 6 feet long; diameter, 24 inches; average weight, 550 pounds. Has no neck yoke or whiffletrees.

They have a substan-tial hardwood weight box, which can also be used as a conven-ient way for clearing fields of loose stones. Price, without Seeder Attachment, \$25.00.





THIS Roller is made of all Oak Staves, let into a mortise or groove it casting, and held together by three long bolts, running lengthwise inside of roll to clamp the two castings together, instead of being holted, as most all Rollers are made. 28 inches diameter, 2 sections, each feet 9 inches. Weight, 700 pounds.

Price. \$17.00

AND FIELD CAST-IRON ROLLERS Fuil assortment of sizes. Prices on application.



SINGLE AND SHOVEL PLOWS THE "Grnuine Malta" Double Shovel Plow, as it is

PRICE 3 Shovel Plow....\$2.50

Malta' Double
Shovel Plow, as it is
now made, consists of two solid
pieces of iron—milled especially—made extra heavy in
the shank, and tapered at the
point, giving strength where it
is most needed. It is provided
with Malleable Adjustable Clevis
Hook and Handle Braces. Blades
are of the best of Open-hearth
Steel, full weight and any desired
width. We desire to call particular attention to the "Two-hole"
feature in the shank—the most
eimple, sensible and substantial
method yet devised for giving
adjustment and long life to the
blades. When the blades are
new and long, they should be
boited in the upper hole. But
after they become worn off at
the point, and do not have the
proper pitch or angle, they should be dropped to the lower hole. The point of the blade is thereby
thrown forward and given the same pitch or angle as when new.

STEELS.

For Single and Double Shovel Plows.

Full and complete line of polished steels for Single and Double Shovel Plows made in both one and two hole styles.

THREE Plow.

Farmers' Favorite

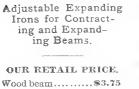
Shovel Plow Fender



Price, each, 35c.

Extra Heavy Three Shovel Drag... 2.75 Carolina Four

Shovel Plow.



OUR RETAIL PRICE.

ing and Expanding Beams.

FITTED WITH EITHER

STEEL OR WOOD BEAM.

SPECIAL

CLEVIS ATTACHMENT.

Wood beam \$3.75 Steel beam 3.75

Farmers' Favorite SINGLE AND DOUBLE Shovel Plows.

The cost of these goods is not so much in the finish as in the construction and material, that being the principal requisite in an implement. We wish to call special attention to our three and sour shovel Plows. They are particularly well adapted to hillside work, at the same time doing excellent work on level land, cover more ground and leave the land level and well plowed.

Farmers' Favorite, single shovel, \$2.00 Farmers' Favorite, double shovel, 2.25



PLOW HANDLES.

11/6 x 2 inches, 5 feet long, per pair	,%5c
11/4 x 21/4 inches, 5 feet long, per pair	30e
1½ x 2½ inches. 5½ feet long, per pair	35c
1½ x 2½ inches, 6 feet long, per pair	40c
1½ x 2½ inches, 7 feet long, per pair	45c
1½ x 2½ inches, 5 feet long, per pair	45c
11/2 x 21/2 inches, 51/2 feet long	50c

SHOVEL PLOW HANDLES.

Finished, for Single and Double Shovel Plows, complete	
with round and rod, per set75	č
Finished, without round and rod, per pair 60	o
Finished and bored, right and left, each	C

FOUR NUT SHOVEL PLOW SPREADER BOLTS.

For Beams and Handles, each......25c

and Old Dominion Horse Hoes and Gultivators.



PRICES.

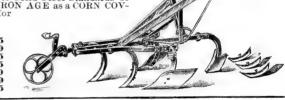
now was Horse Hos and Cultivator combined plain 3.75	Old Dominion Cultivator
For Lever on Old Dominio	

The Iron Age Horse Hoe. Wheel and Cultivator Combination—with or without Lever Adjuster.

THE IRON AGE is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoe are bolted to Solid Steel Standards of their own (not attached to light cultivator standards). The value of the IRON AGE as a CORN COVERER is now well known, also for covering Peas, Potatoes, etc., and for making up rows for root crops it is not surpassed.

PRICES

Iron Age Cultivator, plain	3.25
Iron Age Cultivator, with Lever	4.00
Iron Age Horse Hoe and Cultivator, plain	4.23
Iron Age Horse Hoe and Cultivator, with Wheel	4.70
Iron Age Horse Hoe and Cultivator, with Lever and Wheel	5.50
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, plain	6.05
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, with Lever	0.20





Baltimore Combined Harrow

A N implement in every way worthy of purchase positions of teeth, doing good work in all crops. This is not to be compared with low-priced harrows, similar in appearance, but made of common material. The sale in this style tool has been phenomenal. At first we sold quite a number, and the indications were for a big trade, but we had no idea that the sales would reach their present proportions. The teeth have four positions—first, the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position, as a straight tooth harrow. Third position, the teeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants.

Price, without lever.......\$3.00 Price, with lever.......\$3.50

Price, without lever \$3.00 Price, with lever......\$3.50

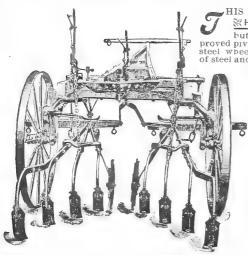
Cultivator Points and Steels.





4	•		-			2		
0	1	82	68	10	11	16 12		
No.	0-114 in. D	iamond Poin	t Steel		\$.06	No. 12-Horse Hoe, Steel, with Shank or Standard, per pair	\$1.00	
10	1 0 66	65 59	60			" 12— " Without Shank or Standard, per pair	.36	
	82-3	66 46	64			Horse Hoe Attachments complete, in three pieces	1.15	
8 =	6s_Ovelor	Jersev "	11					
60	10-Turn S	hovel, right (or left, each			Wheels for Cultivators, each		
8.4	11-6 inch S	weep				Levelers for Cultivators, each		
8.6	11-8 inch S	weep			18	Cultivator Plate Bolts, each		
64	16-Turn S	hovel				Cultivator Frame Bolts, each		
Tee	Teeth for Baltimore Combined Harrow and Cultivator, Diamond Shaped Steel, each							
	All of the above goods are of Best Steel and Highly Polished. Special Prices on Bolts in Quantities.							

The Hench Improved Pivot HENCH CHAMPION STEEL WALKING CULTIVATOR -Axle Cultivator—



HIS is our regular Hench Cultivator

but with new improved pivoted spindles and steel wheels. Spindles are of steel and are clamped in malleable cast-ings with foot

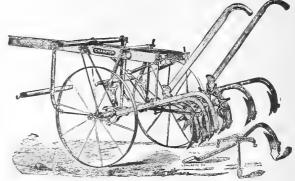
stirrups attached, and are pivoted above the hub, and close to the spokes or central of the tre of the wheel, thus making the leverage beleverage be-tween the wheel and the fulcrum very short, requir-ing less than one-half the power by the feet to move them than the old style ...Hench...

It can be narrowed from 47 inches to 36 inches between the wheels, hus enabling the operator to cultivate rows from 28 inches up to 4 feet apart. This is about 14 inches closer between the wheels than our old style Hench Cultivator. We use steel wheels 36 inches high with crnewable boxes. The spindles are 1½ inch round steel, 8 inches long, and can be renewed very quickly by any blacksmith. We furnish it with either three or four shovels on each side, or drag bar as desired. Also a pair of hilling shovels and one pair of bull tongues.

HENCH IMPROVED CIII TIVATOR

	do dominitarion.					
Shovel Pin Hoe\$25.00	2 Centre Beams and Shovels					
Shovel Pin Hoe 27.50	Pin Hoe \$2.50 2 Centre Beams and Shovels					
Shovel Spring Hoe 31.00	Spring Hoe 3.50					
SPECIAL PRICES FOR CASH.						

STEELS FOR HENCH & DROMGOLD'S RIDING CULTIVATOR AND CHAM-PION WALKING CULTIVATOR. Hilling shovels, each ...



In the above cut is seen our six-shovel Corn and Fallow Cultivator ith seventh or middle shovel.

In the above cut is seen our sharmwith seventh or middle shovel.

Perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating.

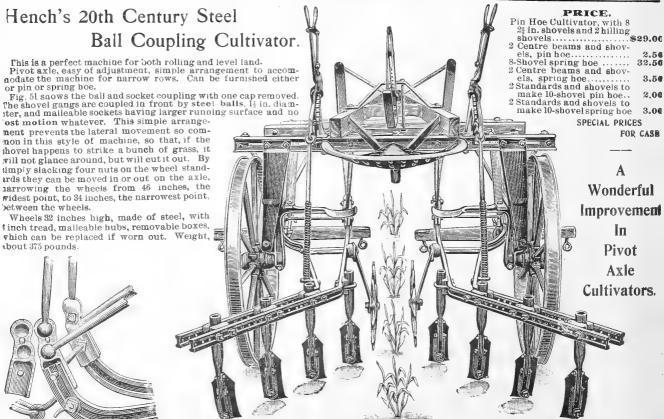
The high arch permits use in high corn, and, being firmly braced gives it great strength.

We furnish the same patent spring hoe that is used on our riding Cultivators for rocky or stumpy land at small extra cost.

PRICE.

Six-shovel Cultivator Pin Hoe

	- state of the contract of the	
l	Hilling Shovels	15 50
Se	eventh or Middle Shovel. extra	1 50
21	IX-Shovel Cultivator, Spring Hoe	19 25
Se	eventh or Middle Shovel	9 95
E	ight-shovel Cultivator, Pin Hoe	16 90
Eı	hght-shovel Cultivator, Spring Hoe	10,00
		71.00
	Special Price for Cash.	
l cı	TEEL C FOR HENOU & DROMOOLD O DIDING OUTTOUT OF THE	





WHEEL RIDING CULTIVATOR.

tained. As a Fixed Wheel Cultivator .- In this As a Fixed Wheel Cultivator.—In this style the wheels are rigid, while the gangs are movable, the guiding of the gangs being accomplished by pressure of the foot on one or the other of the foot rests, the same method moving the gangs as when it is operated as a pivot wheel. This is an important feature, as it simplifies the Cultivator, and the operator uses the same forward motion of the foot as when using this tool as a pivot wheelens side rush.

-no side push.

no side push.

As a Pivoted Wheel Cultivator.—There are two forms in which our combined Riding Cultivator can be operated as a pivot wheel; the wheels can be guided by the feet, while the gangs remain rigid, or, if the rows to be cultivated are unusually crooked, in a moment's time he can have the gangs moving in unison with the wheels. The slightest change in direction of the running of the wheels also affects the movements of the gangs.

The wheels are made of steel, 30 inches affects the movements of the gangs.

The wheels are made of steel, 30 inches high, with a broad faced tire, 2½ inches wide. They are adjustable in width at any point between 42 inches as the widest and 32 inches as the narrowest. This adjustment allows for the entire cultivation of rows 34 inches apart, and as close as 28 inches or even narrower.



ing, and also at ends of rows for same reason Ordinarily the feet should be placed on

Ordinarily the feet should be placed on the outside gangs, in order to give more pressure when required. As shown by the cut, we have a hitch, adjustable in two ways—lower, for hard ground, and sideways, to overcome the leading of the plows.

The Standards are the same as used on our Pivot Wheel Cultivator, having the same adjustment in angle and depth.

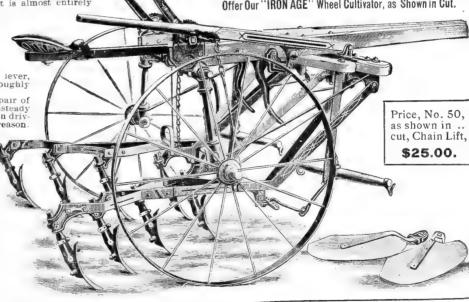
The Wheels are made of hest steel.

The Wheels are made of best steel, and can be narrowed up to 39 inches and widened to 52 inches, thus making it like our Pivot Wheel, adapted to the cultivating of nearly all crops.

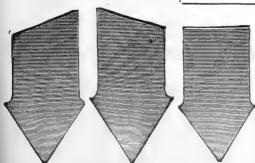
Packed weight, 400 pounds.

RIDING CULTIVATOR, FIXED WHEEL:

For Cultivation of Crops on Level or Slightly Rolling Ground We Offer Our "IRON AGE" Wheel Cultivator, as Shown in Cut.



CULTIVATOR BLADES #



FOR MALTA, BROWN AND SIMILAR STYLES WALKING AND RIDING CULTIVATORS.

PRICES OF STEELS.

Steels for Iron Age Cultivators.



GRIFFITH & TURNER CO

Baltimore Garden Barrow.

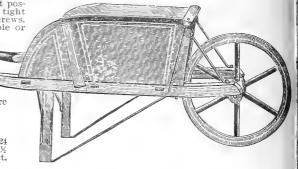
HE wheels are of wood, with wood hub, and put together in the strongest possible manner. The tire is set by steam pressure, bringing the spokes up tight in every joint. Iron leg braces are thoroughly bolted, not held by screws. The wheels have iron bands shrunk on end of hub. The spokes, maple or the contract of the

No. 4, MEDIUM SIZE or MAN'S BARROW.

Inside measurement of box, 26½ inches long, 18½ inches at wheel end, 23 inches wide at handle end, 12 inches deep. Has 20 inch wheel, 6 or 8 spokes, 1½ inch tread, ½ inch gudgeon. Painted green or blue. Bottoms matched and glued. Nicely painted and striped. Packed for export, one dozen measure 45 cubic feet. Price, \$3.75.

No. 5, LARGE SIZE or MAN'S BARROW.

Inside measurement of box, 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has 22 inch wheel, 6 or 8 spokes, 1½ inch tread, ½ inch gudgeon. Finished as above. Packed, measure 50 cubic feet. Price, \$4 00.



The Baltimore Canal Barrows.

Full sized tray, edges shared, bolted to legs, and well bolted and braced in front. Handles and legs of selected hardwood; wheels painted. Furnished in both wood and steel wheel.

Price, wood wheel \$2.25 Price, steel wheel 2.50



Canal Barrows.

The Plain Bolted

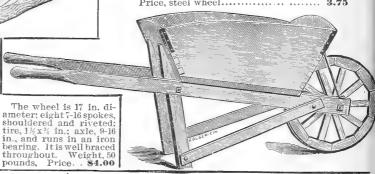
Ordinary size; belt tray; legs bolted to handles and well braced. Furnished with wood or steel wheel.

Price, wood wheel......\$1.75 Price, steel wheel...... 2.00

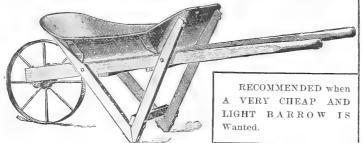
WOOD FRAME Solid Pressed STEEL TRAY BARROW

Coal and Mortar Barrow.

Top is iron banded, strongly braced and bolted; has large



THE SOUTHERN STEEL TRAY.



Price.....\$3.00

Tubular Frame Solid Pressed Steel Tray Barrov



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

THE LATEST IMPROVED

Haslup Patent Wheel Scraper

HOUNDS are doubled on tongue, strengthened by a system of braces and supports. The double hounds, joined by heavy piece of steel, set edgewise, pissing through strong loop, extending around end of tongue, preventing twisting on saighteen obeyong permitting no failure of hooks on hounds, catching on adjustable hooks on side of pan when lever is thrown forward for filling. Stationary hooks on hounds are strong and heavy, well braced and securely riveted.

DESCRIPTION OF SIZES.

Order by Number Only.

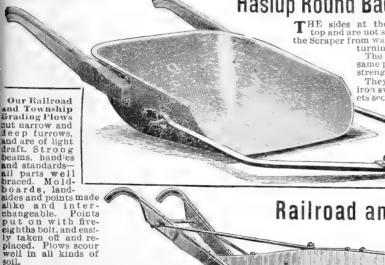
We Make Three Sizes.

No. 1.—Capacity, 9 cubic feet; size of bowl, 36 inches long, 36 inches wide, 12 inches deep; wheels, 36 inches high; tire, 3x½; steel axle, 1½ inches square, arched high, spindles turned and polished; tongrues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 45 lbs. Price, \$27.50.

No. 2.—Capacity, 13 cubic feet; size of bowl, 37 inches long, 38 inches wide, 13½ inches dee p; wheels, 40 inches high; tire, 3x½; steel axle, 1¾ inches square, arched high, spindle turned and polished; tongues, best quality of hardwood, heavily troned; with double steel draft-bars; weight, 600 lbs. Price, 335 00.

No. 3.—Capacity, 17 cubic feet; size of bowl, 41 inches long, 44 inches wide, 16 inches deep; wheel, 44 inches high; tire, 3x½; steel axle, 1¾ inches square, arched high, spindle turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 750 lbs. Price, \$42.00.

Nos. 2 and 3 are furnished with heavy wood hub wheels; hubs, spokes and rims made of thoroughly seasoned stock. Sarven or metal wheels are furnished when ordered. No, 3 wheelers are furnished regularly with snatch rod, and No. 2 when specially ordered. We can furnish doubletrees and neck-yokes when ordered, but charge extra for them.



Haslup Round Back, Solid Pressed Drag Scraper.

THE sides at the front of the Scraper are carried up on a line with top and are not sheared off as Scrapers of all other makes are. This prohibits the Scraper from wasting dirt and carries the point up off the ground while returning from the dump.

The flange around the back and sides is a continuation of the same plate that the Scraper is made from, and adds very much to its

strength and carrying capacity.

They are furnished with our long-tried steel bails and wrought-

rion swivels. The handles are sawed tapering and driven into societion swivels. The handles are sawed tapering and driven into societ ets securely riveted on the sides. The runners are made of special quality of hard steel and tastened to the Scraper with deep counter sunk head rivets.

No. 1.—Capacity, 7 cubic feet; weight. 100 lbs

. 2.—Capacity, 5 cubic feet; weight, 90 lbs. Price \$\frac{1}{2}\$.75.

Railroad and Township Grading Plows.

soil.

No. 1.—Right band, 2 to 4 horse, beam 6½ feet; weight 150 lbs. Price, \$25.00.

No. 1.—Left haud, 2 to 4 horse, beam 6½ feet, weight 150 lbs. Price, \$25.00.

No. 2.—Right hand, 4 to 6 horse, beam 7½ feet, weight 200 lbs. Price, \$27.50.

No. 2.—Left hand, 4 to 6 horse, beam, 7½ feet, weight 200 lbs. Price, \$27.50.

No. 1.—Right hand point. Price, \$4.00.

No. 2.—Right hand point. Price, \$4.50.

No. 1.—Left hand point. Price, \$4.50.

No. 2.—Left hand point. Price, \$4.50.

Contractors' Tubular Steel Doubletree.



Pattern No. 100.

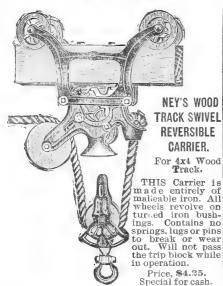
No. 3.—Evener, 48 inches. No. 3.—Singletree, 36 inches Per Dozen Sets..... \$66.00

Contractors' Tubular Steel Neck Yokes.—Pattern 104.

No. 2.-Length, 46 inches, dozen, \$23 00.

No. 3.-Length, 48 inches, dozen, \$25.75.

CARRIERS.



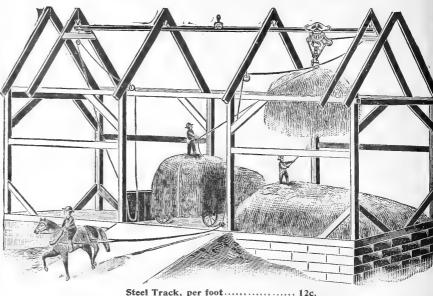


Fig. 22. THE PROPERTY OF

The Factory's Latest and Best Production. STOP PRICE, \$4.25. Special for Cash.

Ney's Swivel Reversible Carrier. FOR DOUBLE-ANGLE STEEL TRACK. THIS CARRIER cannot pass the bumper or trip block while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings ings. Price......**\$4.25**

Special for Cash.

MYERS' CLOVER LEAF STEEL TRACK CARRIER. Fig. 494. JOINT CLAMP GLOVER LEAF SWIVEL Track Wheel and Turned Steel

"Diamond" Steel Track Hay Carrier. THE "DIAMOND" HAY CARRIERS, both wood and steel (Provan's Patent) have a perfect working tocking device; construction us simple; action instantaneous; easily operated and cannot fail to work properly.

Myers' Double-Lock Reversible Carrier.

Axle.

PRICE, \$4.25.

Special for

Cash. & &

PRICE, \$4.25.

Special for Cash. ...

RESTANCE AND RAISE

HAY TOOLS AND FIXTURES



Wood Frame Pulley.

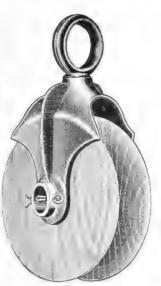


Fig 44. Hard Maple Sheave Pulley.



Knot-Passing Pulley.



Fig. 45. All Iron Pulley.

Fig. 51. (Keesh). Malleable Rafter Bracket.





Harris Double Harpoon Fork.

Fig. 52.

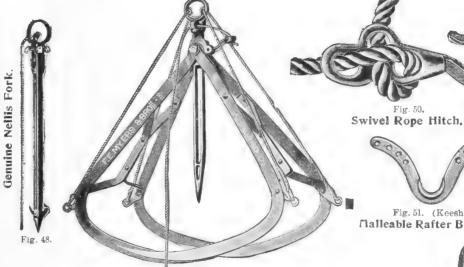


Fig. 49. Myers' Four Tine Grapple Fork.



... PRICES ... Fig. 43.-WOOD FRAME PULLEY-An exceptionally good pulley made of hardwood, well seasoned. Furnished in either hook or eye..... Fig. 44.-MAPLE SHEAVE PULLEY-6 in. sheave, boiled in oil, cast frame and holder pin....... Fig. 45.—ALL IRON PULLEY- Has 5 in. sheave, swivel eye, well made, finished in baking japan..... Fig. 46.—KNOT-PASSING PULLEY—Has strong iron frame, swivel eye, with inside flange to protect rope. Has 6 in. sheave of thoroughly seasoned hard maple on hollow loose pin. Fig. 47.—HARRIS DOUBLE HARPOON FORK..... Fig. 49.—MYERS' FOUR TINE GRAPPLE HOOK.... 4.50 Fig. 50.—SWIVEL ROPE HITCH.

Fig. 51.—RAFTER BRACKET, malleable.

RAFTER BRACKET, steel. Fig. 52.—FLOOR HOOK...
Fig. 53.—HANGING HOOK FOR WOOD TRACK...
HANGING HOOK FOR STEEL TRACK... .08 Extra Trips or Stops for Cars..... .50 Steel Track, per foot.....





HE cut shows our special engine made for use in operating small machinery of all kinds not requiring more than 14 horse power. It will run at an average of about ten hours to each gallon of gasoline when under a steady load, and may be relied upon to give satisfaction in every way when directions for operating are lowed. It is shipped complete, with electric batteries, gasoline tank, piping and all parts necessary to set up and operate successfully.

Size—Base 13 inches long, 9 inches wide.

Height—From bottom of base to top of cylinder, 26 inches.

Weight—Packed for shipment, about 350 pounds.

Power—Made in one size only—1½ horse.

PRICE-Packed in cases complete.



RUMSEY GAS AND GASOLINE ENGINES.

GASOLINE ENGINES.

They are especially designed for farmers for Threshing, Sawing Wood, Running Ensilage Cutters, Grinding Grain. Pumping Water, Running Dairy Outhits and many other uses.

Far superior to steam or horse power, as they do not require attention after starting and always developing their full power.

They are the latest, most original, most compact and simplest engine of their kind on the market. Everything in sight and easy of access. Do not require the services of an engineer.

The Igniter combines simplicity and perfect working. No expensive platinum points or delicate adjustments. It is located in the inlet Valve Chamber, which always remains coo. There is no igniter on any gas engine built that is superior.

All portable and large-sized engines are furnished with a dynamo and the smaller sizes with Edison Leland Batteries.

The Valve Chamber is independent of the Cylinder Casting.

The Governor has but two moving parts acting indirectly by centrifugal force upon the Exhaust Valve.

The main Bearings are made of high grade magnolia babbitt. They are extra long and of large diameter, which adds to the life of the machine. The cost of operating is nominal, compared with electric or steam power. No possible danger from fire.

The Counter Shaft Friction Clutch and Lever is especially designed to be used in connection with the small-sized Engines, belting direct from the Engine to the friction clutch pulley. With this arrangement it is much easier to start the Engine when the clutch is thrown out, disconnecting the machinery. Shifting levers are not furnished with clutches without special order, as some prefer to make their own.

The Portable Engines



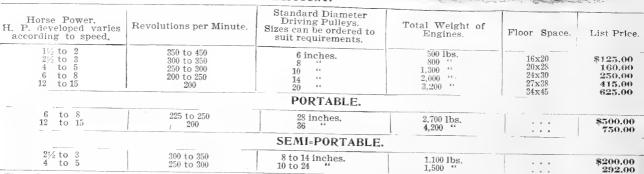
RE mounted low and are not top heavy, a fault with some of the steam traction

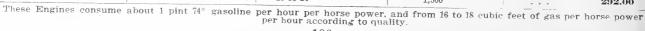
A descriptive catalogue is furnished with diagrams, showing different ways in which these engines are installed.

engines. A relief valve, which, when open, relieves the compression for easy starting.

Stationary Engines.

RETAIL PRICES SUBJECT TO SPECIAL DISCOUNT.







GREETHE TURNER CO

STORE TRUCKS.





NEW YORK PATTERN.

BALTIMORE STORE TRUCK.

BEST	LIGHT	TRUCK	MADE	FOR THE	MONEY.
List Price. Retail Price	ce				\$4.00 2.00

NEW YORK PATTERN.

. HALF ST	RAPPED.	FULL ST	RAPPED.
List Price. No. 0 \$ 4.40 " 1 4.60 " 2 6.10 " 3 8.00 " 4 9.50 " 5 11.50	Retail Price. \$ 2.60 2.70 3.65 4.80 6.00 6.90	List Price. No. 0\$ 5.15 1\$ 5.35 2\$ 7.10 3\$ 9.00 4\$ 11.00 5\$ 13.50	Retail Price- \$ 3.10 3.80 4.25 5.40 6.60 8.10

NEW YORK PATTERN.

Length Handles.	Width Nose.	Width at Upper Bar.	Diameter Wheels.	Weight.
0. 1-4' 0'' 2-4' 5'' 3-4' 8'' 4-5' 0'' 5-5' 3'' 6-5' 9''	121'' 14'' 15'' 16'' 17'' 20''	18 '' 19½'' 21 '' 22½'' 24 '' 23½''	8 '' 91'' 91'' 11 '' 11 '' 12 ''	42 lbs. 44 " 72 " 85 " 90 " 125 "



COTTON TRUCK.

NEW YORK BARREL TRUCK.

	COTTON	TRUCKS	• List.	Retail.
No. 3			\$ 9.00	\$5.40 6.60
4				8.10
Length of	Width of	Width at	Diam. of	Weight in
Handles.	Nose.	Upper Bar.	Wheels.	Pounds.
No. 3 4' 10''	15½''' 16'''	21 //	9111	74
4 51 011	16 11	23 11	11 //	104
" 5 5' 3''	18 //	22 11	10 11	95
. 6 5/ 9//	20-11	23111	12 //	125

NEW YORK BARREL TRUCKS.

Xo. 1 List. \$7.00 Retail. \$4.20 " 2 9,00 5.40 " 3 10.50 6.30 " 4 12.50 7.54 " 5 15.00 9.00 Length of Width of Width at Diam of Weight in		KUCVS.	AKKEL I	\ DA	YUKI	, 77)	NE			
** 9.00										
" 3		\$ 7 00							1	No.
" 3		9.00							2	6.6
" 5 15.00 9.00		10.50							3	6.6
J		4 8 60							4	
Length of Width of Width at Diam, of Weight in	9.00	15.00							5	4.5
	Weight in			th of	Wid	th of	engt	L		
Handles. Nose. Upper Bar. Wheels. Pounds.	Pounds.	Wheels.	Upper Bar.	se.	Ne	lles.	Hand	F		
No. 1 4' 0'' 12'' 17\frac{1}{2}'' 7'' 42	42	4	174	11	12	111	4/ 0		1	Nο
" 2 4' 6'' 14'' 18\" 8 '' 53		0	181′′							
" 3 4' 7'' 15" 20½" 9			201	//	18	111	41 7		3	6.6
" 4 5' 0'' 16" 21" 9½" / 95		91	21 ′′	3''	16)//	5/ 0		4	
" 5 5' 3'' 18'' 22'' 10'' 125	125	10 ′′	200	3′′	18	311	5' 3		5	6.6

DIMENSIONS	AND PR	ICES CAS	ST IRON	TRUCK	WHEELS.		
	Pounds Weight.	Height Inches.	Face Inches.	Hub Inches.	Bore Inches.	Retail Price, Each.	List Price. Each.
No. 0 No. 1 and 2 No. 3. No. 4 and 5 Heavy	4½ 7½ 12§	6½ 8 9¼ 11 12	1½ 2 2½ 3	21 27 27 31 34 32	\$\frac{1}{4}\times\frac{7}{4}\times\frac	\$.27 .44 .76 1.05 1.50	\$.36 .58 1.02 1.40 2.00

FOUR WHEEL PLATFORM TRUCK.



For Canning House, Railroad Stations and Warehouse. Cheap, strong and well made.
Size. Diam. Diam. Weight. List. Retail.

| Marcon | M

PLAIN PLATFORM TRUCK.

Size of Platform.	Weight.	Diam. Wheels.	List.	Retail
No. 82-2 ft. 4 in. by 3 ft. 4 in.	100 lbs.	7½ in.	\$14.00	\$8.00
" 83-2 ft. 6 in. by 3 ft. 6 in.	115 lbs.	7½ in.	15.00	9.00
" 84-3 ft. by 4 feet	125 lbs.	8½ in.	17.00	10.5 6

We are prepared to quote special prices on Trucks of every description. If you want anything special write us for prices.

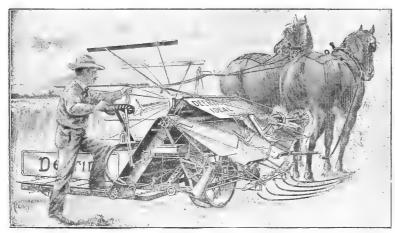
CAN FURNISH SPECIAL TRUCKS AT LOWEST POSSIBLE PRICES. ALSO TRUCK WHEELS.

Prices on application.





DEERING HARVESTING MACHINERY.



DEERING IDEAL BINDER.

THE IDEAL BINDER.

No other Binder includes so many and such excellent features in its make-up.

The following are a few of its great points:

Bicycle Bearings, Perfect Tilting Lever, Everlasting Main-Frame, Self-aligning Bushings, Ingenious Canvas-Stretcher, Appleby Binder Attachment, Unfailing Deering Knotter, Economical Bundle-Carrier, Simple, Straight-Stroke Pitman, Successful Double Butt-Adjuster, Convenient, Effective Single-Lever keel, Drive Chain with Broad-Shouldered Malleable Links, Binder Shifting-Lever that gives ten-inch scope of adjustment, Fewer Sprockets and less Chain than any other Binder. than any other Binder.

Binder Attachment.

A strong feature of this appliance is that one of the packers always precedes the needle to the breast-plata, and the way is cleared at this very important point Binders having needles working independently of the packers frequently clog between the needle and the breast plate, but the Deering never does, and a most annoying and frequent cause of delay is thus simply done away with away with.

IDEAL MOWER.

THE SIMPLEST PITMAN CONNECTION, TWO-PIECE PITMAN SERRATED LEDGER PLATES, A PERFECT SHEAR CUT. ADJUSTABLE DRAG BAR enables the operator to always keep the CUTTER BAR IN PERFECT LINE.

Removable Bushings Main-Gear.

The main-gear of the Ideal Mower is so constructed that the full capacity of the machine is never used, there being no lost motion, and the cogs, pinions and gearing being so nicely and accurately adjusted that the knife starts instantaneously with the first motion of the wheels.

the whoels.

Friction is entirely overcome by the clever use of roller bearings exactly where needed on the main axle and gear-shaft, and all end thrust in gear-shaft is overcome by the use of bicycle ball bearings at the outer end.

IDEAL CORN BINDER.

Points of Excellence.=

Binds corn in horizontal position.

Shifting binder that really shifts.

Improved cutting apparatus, requiring but one-half the power that competitors' machines do.

The drive wheel, having direct connection, imparts motion to all the working parts the instant it starts.

Large space between the deck and the drive wheel.

Horizontal hearings that potain oil

Horizontal bearings that retain oil.

Bicycle ball and roller bearings at eleven important points.

A thirty-seven inch steel drive wheel that will not slip.

A perfect bundle-carrier.

A butt-adjuster that squares the butts of the bundles.



DEERING IDEAL MOWER

A fly-wheel for preserving steady motion in the cutting apparatus

A wide frame giving steady motion.

Frame balanced on the main axle, and neck-weight thus avoided.

Tongue connected with main-frame between the wheels in such a manner as to properly balance the machine. No neck-weight. No side-draft-

Binder Twine, Rope, Oil, Etc.

ON ACCOUNT OF THE GREAT FLUCTUATION OF THE MARKET, WE CANNOT QUOTE PRICES HERE ON TWINE. BUT SAME WILL BE FURNISHED ON APPLICATION.

B are very large dealers in BINDER TWINE and handle nothing but the best, and are in position to quote in any size quantities. The isolated farmer who buys a bale or less, and the merchant who purchases in carloads or in smaller quantities, will find our figures attractive. We willingly furnish prices on application. It

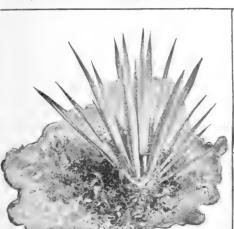
will find our figures attractive. We willingly furnish prices on application. It costs but a postal to get this information.

There are many qualities of fibre and twines made from the poorer grades that are flooding the market, all cla m ng to be the best, and the farmer who buys these goods because he thinks he is saving a few cents on the bale will find his mistake when it is too late to be rectified. These cheaper grades do not run as much to the pound, in length, as the better quality, and in that item alone, if the purchaser considers a moment, he will find in the end that he is paying more for his twine than if he had secured the best.

Very frequently it will be found that in the cheaper grades the twine will become kinked, or, in running from the ball, will tangle, and because the twine is not properly backled and twisted thick spots will occur which prevents an easy flow through the needle, or here and there a thin place; in either emergency the twine will break.

Our twine is properly hackled and twisted, and in consequence we do not have these complaints.

All of these defects cause a delay at a time when the farmer can least afford it. There is always economy in obtaining the best.



SISAL PLANT

EW farmers seem to realize the importance of securing their Binder Twine early, before the season opens. They can in most every instance save money by so doing, as the price is frequently higher during the harvest season than at any other time.

We make a specialty of Binder Twine and carry a large stock at lowest prices, and can supply in any quantity desired, such as Sisal, Standard, Standard Manila, Manila and Pure Manila.

Will be pleased to open correspondence as to kinds and prices.

Fodder Yarn.

HAVE ALWAYS ON HAND LARGE QUANTITIES OF THE ABOVE. PRICES ON APPLICA = TION



MANILA PLANT.

Manila, Sisal and Cotton Rope.



ALWAYS ON HAND THE BEST MANILA, SISAL AND COT-TON ROPE, IN COILS OR BY THE PIECE, AT PRICES CON-SISTENT WITH QUALITY. PRICES ON APPLICATION.

98



possesses all the elements which fit it for use in harvesting machinpossesses an the elements which have the narvesting machine-ery. It is always uniform, unexcelled as a lubricant. It is not a mixture in any sense of the word, being a straight-run product. It can never gum, no matter what the temperature or climate. Its usefulness is not confined to harvesting machinery alone, and thousands of other machines owe their smooth and frictionless action for the second grid are much in ordered in the harvest action to its use. Dust and grit are much in evidence in the harvest field, and the greater the consistency of an oil the more effective it is in withstanding these evils. Deering Oil will never thicken, even to the very last drop, whether exposed to the air or not. The best testimonial to its worth is, that once used it is always used.









NISH Binder and Conveyor Can-vases for the leading machines at comparatively low prices. IMPORTANT.

WE ARE PREPARED TO FUR-

E ARE HEADQUARTERS for Knives, Sections, Guards, Rivets, Knife Heads, Cotters, Cold Chisels, Steel Punches, etc., for all leading machines on the market; also furnish Thresher Teeth, with or without nuts. It is frequently the case that farmers are located where there is no stock of sections, etc., carried. We are headquarters for a full line of these goods, enumerated above and if you will write us for prices, can doubtless supply you with what you need at very low prices. As a rule, the above are not ordered until needed for immediate use. Now if you will only take up the matter with us early in the season we are confident we can save you both money and annoyance. This not only holds good for this class of goods, but Grain Drill Points and Tubes and other extras. Look over your Plows, Cultivators, Grain Drills, Mowers, Binders, Feed Cutters, etc. make out your list and let us have it early etc., make out your list and let us have it early.

BEST GOODS AT LOW PRICES.—In ordering the above repairs always bring or send the part you wish duplicated, or a drawing, also always give the name of machine and number of part.

Write us for prices and terms.

"THE ELGIN" ADJUSTABLE WRENCH THE ELGIN

SECTION AND GUARD RIVETS.

WILL HOLD PIPE OR NUTS.

It works in angles, corners, and cramped places, where the cold chisel and hammer have been the only recourse. It goes beyond other wrenches in what it will do.

BOTH JAWS HARDENED. Length, 7 inches.

WRENCH IS ALL STEEL. Weight, 10 Ounces.

It will fit a pipe up to ¾-inch, or a nut that is 1¼ inch across. Adjusting to fit the articles you get all the leverage and no ends to interfere. When the toothed jaw is worn out, get a new one for 25 cents; it makes the wrench as good as when you bought it.

PRICE-75c. Each. For Extra Jaws, 25c. Each.

WROUGHT SCREW AGRICULTURAL WRENCHES.

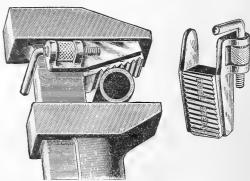


8-in 10-in 12-in 15-in 6-in Retail price, each.... List price, per dozen... \$9.00 \$10.00 \$24.00 \$12.00

"THE ELGIN" MONKEY WRENCH PIPE JAW.

LINK CHAIN

MOWER



WHEN there is only a little pipe work to do (not enough to warrant buying a pipe wrench) "THE ELGIN" JAW on a Monkey Wrench will do it.

ANY ORDINARY 10 OR 12-INCH MONKEY WRENCH

can be fitted with this device in a second or detached in same length of time. It makes a better and more durable pipe wrench than you can buy for double the price of an ordinary monkey

wrench.
TO MANUFACTURERS who have been putting two wrenches or a combination wrench into their tool box equipments,
"THE ELGIN" will do the work and SAVE MONEY.

"THE ELGIN" will do the work and savengine

It is particularly attractive to gasoline-launch and gas-engine builder PRICE 30c. Each.

Monkey Wrench. SEE GAS ENGINES, Page 106.

110

Practically Indispensable to Every User of a

GRIFFITH & TURNER CO

Scythes, Snaths, Cradles, Etc.



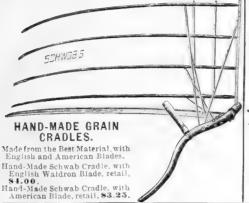
SCYTHE STONES.

SIR PYERS MOSTLYN TALACRE QUARRIES

No. 1—Willoughby Creek, 10c., \$1.00 doz. No. 2—White Mountain... 10c., 1.00 doz These are far superior to Darby Creek and not so easily broken.

No. 3—Green Mountain...... 8c., 75c. doz No. 4—Indian Pond No. 2 (red end) 5c., 50c. doz.

No.5—Mowing Machine (beveled)....10c. each, No.6—Darby Creek......10c., \$1.00 doz. No.7—Imported English Talacre.....20c. each. None genuine unless labeled Sir Pyres Mostyn. Talacre Quarries.



FACTORY-MADE CRADLES.

Factory-Made Cradle, American Blade, five fingers, complete with Scythe, \$3.00.

Factory-Made Cradle, American Blade, six fingers, complete with Scythe, \$3.25.



No. 50—Best Bush or Briar, Beaded, American Pointed.

Price......75c



OAT AND BARLEY FORKS.



STABLE FORKS.

 BLOODS CLIPPER GRAS'S Nº. 23.



LIGHTNING HAY KNIFE.

Price \$1.00



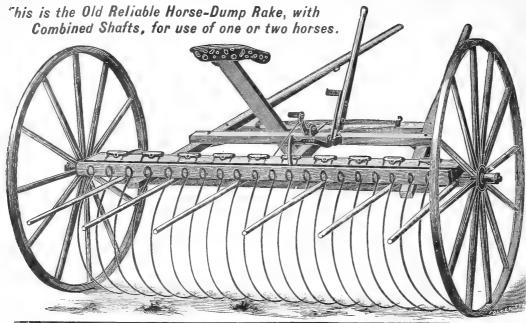
THE AMERICAN SICKLE EDGE HAY KNIFE.

The best cutting knife made. Right or left hand. Sections can be easily replaced.

ce \$1

111

IORE SELF=D



MADE IN EITHER WOOD OR STEEL. BALTIMORE HAY TEDDERS.

The Best Wood Frame Tedder for Heavy Grass or Fallen Grain.

Combination shafts and tongue, without side fork and shields over gearing.

The Baltimore has new bent shifting lever which makes a complete lock. Also is provided with a most comfortable spring seat, levers for raising and lowering, and throwing in or out of gear, within easy reach of the driver. Combined pole and shafts, quickly and easily changed from a one to a two-horse machine.

The Ground Wheels are closer together than on most Tedders. The outside torks tick the hay up loose after the wheels pass over it. Forks are made of crucible steel, oil tempered. One of the simplest and most comprehensive Tedders on the market.

BALTIMORE TEDDER, Wood,

Steel,

\$29.00 32.00 Made in either Wood of Steel. Disengages noiselessly and without jar or strain. We claim for it greater strength because the parts are united securely to the steel axle and the wood rake head, and because there is less wear and tear than or other rakes. It has steel teeth, made from the best crucible steel, and tempered in oil. in oil.

The lever remains station-ry when the load is discharged.

PRICE,

BALTIMORE SELF-DUMP RAKE,

Wood, = \$20.00 Steel, 22.00

Baltimore •

MADE IN

This Rake is made of the roughly seasoned hardwood. The axle arms are 1½-inch round iron, securely bolted to the wood axle head. It has 20 teeth of spring steel same as above. Every tooth independent. The seat is ad justable and can be raised or lowered for man or boy.

The Steel Hand-Dum, Rake is similar in all respects excepting in material used.

excepting in material used.

PRICE

BALTIMORE HAND-DUMP RAKE

Wood, - - 515.00 Steel, - - 18 00 Steel,

Hay Tedder



Always on hand, stock of Forks for leading styles of Hay Tedders.

25 cts. Price. SPECIAL PRICES IN QUAN-TITIES.

TEETH

RAKE

In ordering, either send old tooth or exact drawing and avoid errors.

For all Leading Rakes.

Price, 25c.



C

Maryland Rakes and Tedders.



Made in both WOOD and STEEL. Maryland Self Dump, Wood

C

Barn-door Hanger No. 2.

Full line of regular sizes, similar in quality and construction to BALTIMORE LINE, but slightly different in design.

......\$20.00 Maryland Hand Dump, Wood\$16.00

22.00

Steel

SPECIAL PRICES FOR CASH. In addition to regular sizes, we carry the MARYLAND SELF-DUMP Steel Rakes, 10 1/2 feet, with 26 teeth—Price, \$24.00.

TEDDERS. THOMAS RAKE

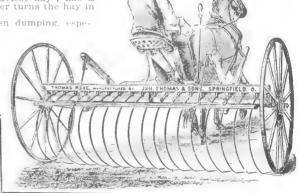
GENUINE THOMAS HAND DUMP

This Rake has long been known in the agricultural world as one of the best Rakes made. POINTS OF MERIT.

Steel

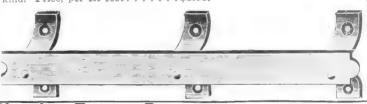
. , , \$18.00. PRICE. .

Special Price for Cash.



NEY STEELBARN-DOOR TRACK.

This Track is made of Special Carbon Open Hearth Steel, 1x3-16 stock, and has heavy brackets well and substantially riveted to it at every 12 inches. The ends are made with tongue and groove to match. The track is made in 4, 6, 8 and 10-foot lengths. It is easily erected, and requires no roofing or covering of any kind. Price, per 100 feet.....\$5.00.



THE CANTON HOIST. Can be used to advantage in factories of all kinds, foundries, quarries, mills and warehouses, also by contractors, stone masons, carpantage and all classes

contractors, stone masons, carpenters and all classes of mechanics, as well as farmers. They are indispensable on the farm. Special farm size, No. 37, capacity, 800 lbs.; one man can lift 400 lbs.; price-

can lift 400 lbs. Price—List, \$4.00. Retail, \$3.00.

Ney Anti-Friction Barn-Door Hanger No. 2.

This hanger is anti-friction, containing roller bearings, which cause the wheel to roll easily and prevent wear. The frame is made of special open hearth steel, and the strength is fully sufficient for the heaviest doors, and has hood protecting the wheel from snow and ice. The wheel is 4 inches in trends therefore on he wed on other

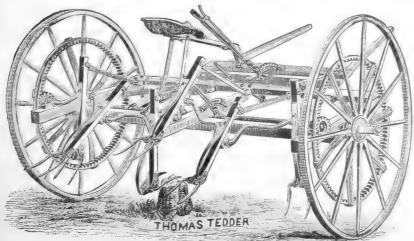


STAY ROLL-ERS.

For Use on Door Barn Hangers. PRICE.

Each, 10c.

GENUINE THOMAS TEDDER.



On this Tedder is used a continuous heavy steel axle. Wheels have lugs to prevent slipping, and tires are bolted on. Lever for throwing in and out of gear is in the centre of Tedder, and operator can work it from his seat. Big cog wheels fastened securely to the nut of ground wheel and not bolted to the spokes. Driver's weight rests on axle, and not on horse's neck. A spring on front frame piece to relieve the whole frame should it run against an obstruction. Steel cranks are used; smooth at all the journals and bearings, reducing wear and friction to a minimum. A regular pitchfork style of kicker is used. Fork spring is of steel.

This machine is built in a most substantial manner, and of the very finest and strongest material, and will properly handle the heaviest hay. All the kickers are between the wheels. Price, \$32.00.





Fodder and Ensilage Cutter and Shredder Department.



THIS CUT SHOWS A FIELD OF ENSILAGE.

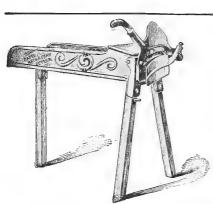


FIG. 778.

Maryland LEYER CUTTER

Strong, Cheap and Durable.

FIG. 783.



OUR BALTIMORE Pony Cutter.

Adapted to cutting hay, straw and corn fodder, and is suitable for persons keeping from one to four or five animals.

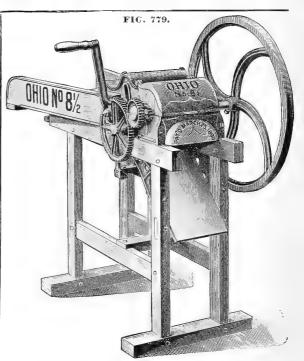
Weight, K. D., packed for shipment, 160 pounds.

One knife, 111/4 inches long.

RETAIL PRICE......

Special Discount for Cash.

WE DESIRE TO CALL SPECIAL ATTENTION TO SILOS ON PAGE 121.



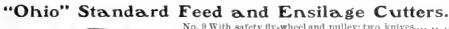
"Ohio" Hand Feed Cutter.

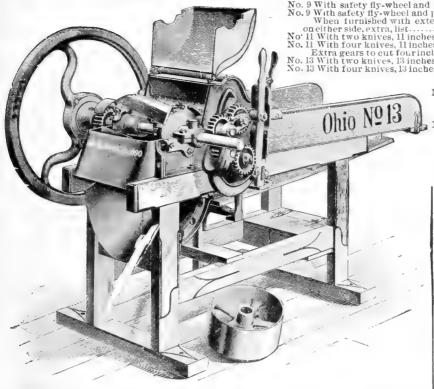
No.	Length of Knives, Inches.	Number of Knives.	Length of Cut, Inches.	Price.
8½	8½	2 2	14, 38, 34,	\$20.00
10½	10½		14, 38, 34,	25.00

Less 30 per cent. retail.

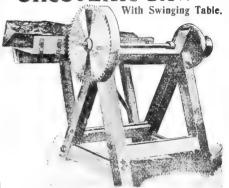
GRAFFITH & TURNER CO

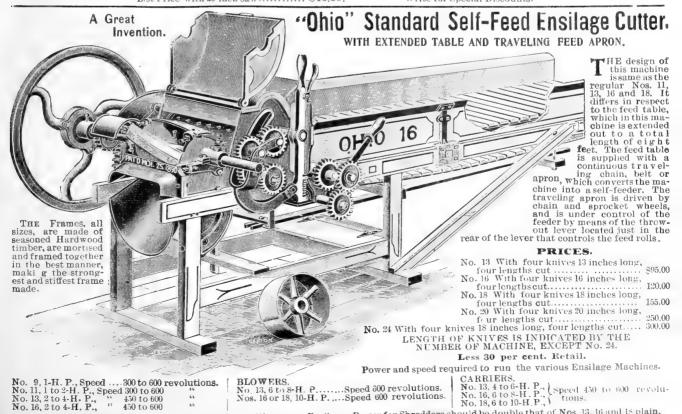
FODDER AND ENSILAGE CUTTERS AND SHREDDERS.—CONTINUED.





CIRCULAR SAW





SELF-FEED ENSILAGE CUTTER AND NEW METAL BUCKET SWIVEL CARRIER.

The "Ohio" Dry Fodder Shredder Complete.

THE Shredder Cylinders are for dry corn fodder. We can furnish Shredder Cylinders for "Ohio" Cutters Nos. 11, 13, 16, 18, 20 and 24. The Shredder head can be removed and the knife cylinder attached instead, in case the machine is wanted for hay or ensilage cutting. In order to reap the best results in shredding, the machine must be speeded up to 1000 or 1200 revolutions per minute; for that reason we use the fly-wheel seen in the cut, instead of the open wheel in the Ohio Cutter. Prices. No. 11—With Solid Fly-Wheel and Six-inch Pulley. \$45.00 No. 13—With Solid Fly-Wheel and Six-inch Pulley. \$65.00 No. 16—With Solid Fly-Wheel and Six-inch Pulley. 90.00 No. 18—With Solid Fly-Wheel and Six-inch Pulley. 120.00 No. 20—With Regular Fly-Wheel, Small Pulley. 200.00 No. 24—With Regular Fly-Wheel, Small Pulley. 250.00 No. 24—With Regular Fly-Wheel, Small Pulley. 250.00 SHREDDER CYLINDERS ONLY. For No. 11, including Fly-Wheel and Pulley.

For No. 13, including Fly-Wheel and Pulley.

For No. 16, including Fly-Wheel and Pulley.

For No. 18, including Fly-Wheel and Pulley.

For No. 20, including Pulley, no Fly-Wheel.

For No. 24, including Pulley, no Fly-Wheel.

Less 30 Per Cent, Retail. \$25.00 $\frac{28.00}{30.00}$ $\frac{32.00}{50.00}$ 55.00 For No. 24, including Pulley, no Fly-Wheel.

Less 30 Per Cent. Retail.

PRICE LIST OF CARRIERS.

Swivel carrier, 12 feet long, for Nos. 13, 16 or 18 Cutters.

Extra length, per foot, for Nos. 13, 16 or 18 Cutters.

Wood cover, with hooks and eyes to fasten, for Nos 13, 16 or 18 Cutters.

per foot swivel carrier for No. 20.

225

Additional length, either style carrier, No. 20, per foot

Wood cover, with hooks and eyes to fasten, No. 24, per foot

Reversible carrier, straight delivery, 12 feet long or less, for No. 11 Cutter.

Straight-delivery carrier, without reversible attachments.

Additional length over 12 feet, extra per foot

Straight carrier, 12 feet long, for Nos. 13, 16 and 18 Cutters

Carrier, extra, over 12 feet long, per foot

Wood cover, with hooks and eyes to fasten, per foot

Straight carrier, 12 feet long, for No. 20 Cutter.

Straight carrier, 12 feet long, for No. 20 Cutter.

Additional length, either style carrier, No. 24, per foot

Additional length, either style carrier, No. 20, per foot

Wood cover, with hooks and eyes to fasten, per foot

Additional length, either style carrier, No. 20, per foot

Wood cover, with hooks and eyes to fasten, No. 20, per foot

Wood cover, with hooks and eyes to fasten, No. 20, per foot

Wood cover, with hooks and eyes to fasten, No. 20, per foot

Wood cover, with hooks and eyes to fasten, No. 20, per foot

Less 30 Per Cent. Retail. THE advantages of the swivel carrier over the former pattern reversible carrier are: First, that in addition to being able to set right, left or straight, it can be set at any angle; second, the mechanical parts that convert the power from machine to carrier are properly mounted in a closed iron case, which causes them to run with the least friction, and, most important, keeps out the dirt and grit; third, it is very much easier to set up and to move about.

Two or More Silos May be Filled Without Moving Cutter. By being able to set this carrier at any angle two or more silos may be reached without necessity of moving the cutter. Parties make best use of this by giving it attention when locat-

Swivel carriers are made for Nos. 15, 16, 18, 20 and 24 Cutters.

Instructions for Setting Up Carriers. To set up, place the square flange on inside of carrier base against foot of cutter and connect up the drive chain. Locate the lower end of carrier with the hubs of the bearings resting in the forks of the base. After the sections of the carrier are connected up put a light rope inside its entire length, then elevate it and secure to place, arranging so it will reach into the silo 1 or 2 feet. A light block and tackle is usually used to elevate it. Next draw the chain up by means of the light rope; and connect up.

Bearings Should be Oiled With Good Oil. Oil cups and oil holes are provided for all bearings, and the machine must be carefully and frequently oiled with good quality machine oil at the start. Care should be exercised to keep the bearings lubricated at all times. Instructions for Setting Up Carriers. To set up, place the

cated at all times.

PRICE LIST OF ENSILAGE CUTTERS.

Size	Knives	Lengths of Cut.	Capacity Ensilage	Power Neces- sary to Run to Full Capacity.	Price
No 16 No 18 No 20	Four 18 in Four 20-in.	4, %, %, 1 in. 4 % %, 1 in. 4 % % 1 in. 4 % % 1 in. 4 % % 1 in.	10 to 13 \ subsection 15 to 20 0 g	4 to 6 6 to 6 6 to 6 6 to 10 6 to 10 8 Eu 12 10 to 12 10 10 10 10 10 10 10 10 10 10 10 10 10	\$ 95 00 129 00 155 00 250 00 309 90

Extra gears to cut 4 inches long, Nos. 13, 16 or 18...... \$4.00 Extra gears to cut 4 inches long, Nos. 20 or 24...... 6.50

Less 30 Per Cent. Retail.

Weights.—No. 13, 775 pounds; No. 16, 835 pounds; No. 18, 875 pounds; No. 20, 1585 pounds; No. 24, 1685 pounds.

PATENT APPLIED FOR

A SUCCESSFUL BLOWER ELEVATOR FOR THE STANDARD CUTTERS.

THE cut clearly outlines a new Blower or Wind Elevator in connection with the "Ohio" Standard Self-Feed Enslage Cutter, and one that is adapted for use with the three sizes. Nos. 13, 16 and 18. The blower is wide and stands 5½ feet in diameter, which gives ample capacity to carry away and elevate the cut ensilage as fast as these large capacity cutters will cut it. ters will cut it.

CAPACITY.

No. 13, 8 to 12 tons: No. 16, 12 to 15 tons: and No 18, 14 to 20 tons of ensilage per hour. These three machines will cut all kinds of dry feed, and with blower elevator and pipe can be conveyed to any part of the barn.

part of the barn.

SIZE OF PULLEY, POWER, SPEED
AND WEIGHT.

The pulley is 14x6-inch face and is leather-covered. Power, 6 to 8-horse for No. 13
and 10-horse engine for Nos 16 or 18.
Speed, 600 revolutions per minute. Weight
of No. 18, 865 pounds; No 16, 925 pounds;
No. 18, 965 pounds. Blower and fan wings.
450 pounds; pipe, about 4 pounds per foot

PRICE LIST OF CUTTERS, WITH BLOWER ATTACHMENT.

No. 13 Cutter, with four 13-inch knives, cuts ½, ¾ and 1 in.
No. 16 Cutter, with four 16-inch knives, cuts ½, ¾ and 1 in.
No. 18 Cutter, with four 18-inch knives, cuts ½, ¾ and 1 in.
Extra gears which will cut 4 inches long with two knives
Blower, complete, with 2-foot hood for top of pipe
8-inch galvanized pipe in 4, 6 and 10-foot lengths for No.
13, per foot
10-inch galvanized pipe in 4, 6, 8 and 10-foot lengths for
No. 16 or No. 18, per foot
Less 30 Per Cent. Retail. \$95,00 $120,00 \\ 155.00$ 4.00 75,00

Ensilage Cutter. WITH DIRECT-BLAST BLOWER ELEVATOR. OHIO Nº 18

THE BLOWER ELEVATOR AND WHAT IT WILL DO.

HE BLOWER ELEVATOR is a new feature and what is THE BLOWER ELEVATOR is a new feature and what is presented here is the result of 12 months' successful experiments. By test the No. 18 Cutter and Blower cut and elevated into a 30-foot silo one ton of ensilage in 2½ minutes, which is equal to 24 tons per hour, and it will do it continually if the corn can be gotten to it. The fan is very large and has abundant capacity to handle the ensilage; it is guaranteed to elevate it into silos 30 to 40 feet high and will do more.

POWER AND SPEED.—Owing to the high speed of the fan, it requires a little more power than cutter and carrier, and to be on the safe side, we recommend not less than 10 H. P. engine, and to run the cutter between 800 and 900 revolutions per minute, giving the fan a speed of 2,000 to 2,500 revolutions, which will elevate all kinds of dry feed, ensilage, or water a perpendicular height of 40 feet or more.

"Ohio" Self=Feed

DO NOT OVERCROWD THE MACHINE, as that will prevent the free passage of the material. For further information on these carriers and blowers, send for our "Ohio" catalogue, free.

GRIFFITH & TURNER CO.'S THRESHERS AND TREAD POWERS.

Two-Horse Level Tread Power Speed Regulator Roller Bearings



THESE are much superior to the incline or common tread powers, in that they are not injurious to the horse's ankles, and horses with caulks and toes on shoes are sure to cut out the tread plank in a very little time. This is quite an item of expense, but in these powers the animals may be used either barefooted or with smooth shoes.

Owing to the introduction of Roller Bearings, these machines can be set at a lower elevation than other makes, and at the same time give about 20 per cent, increase in the amount of speed developed, and allowing the animals to walk not more than a mile and a half an hour.

The speed regulator, attached to the main shaft, is the most successful device ever employed to control the speed of a power and make it entirely safe. It can be adjusted to run the power any desired speed. By the use of this regulator these powers can be used to successfully operate any kind of machinery.

We can furnish the common or incline tread powers if wanted. They are not made of cheap materials, but of the first quality. The price is a consideration in some instances. Can furnish both the over-shot and under-shot powers.

For anything in the line of farm machinery, except the overshot threshers, we recommend the double-geared under-shot powers.

The Little Giant Thresher and Cleaner.

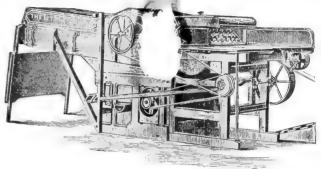
HIS MACHINE is made in two sizes; the No. 1, for two and three-horse level tread powers, four to six-horse lever powers, or six-horse engine. The cylinder is 17x30 inches, and weight 1700 pounds.

The No. 2, for two-horse level tread power, four-horse lever or six-horse-engine. The cylinder is 17x26 inches and weight 1425 pounds. Both machines are so constructed that they can be run from either side, the change being made easily and quickly.

The Shaft is of Best Quality Steel and suitable size. The bars are of steel, 134x54 inches, made to order, and are perfectly true. The teeth are driven through square holes, having square shoulders in wedge shape and held secure by a strong nut. The cylinder is then balanced, so that it can be run at a high speed without thumping or jarring.

cylinder is then balanced, so that it can be run at a nigh speed without thumping or jarring.

The Concave is Strong and Safe. It is important that the concave be strong. This consists of an iron bed plate, into which is fitted a wood bolster two inches thick. The teeth have square shoulders and pass through square holes into the iron bed plate, then through the wood bolster, and made secure by strong nuts. When a hard substance gets into the machine the concave will rise, and thus prevent breakages. The concave can be raised or lowered while the machine is in motion by means of a hand



screw, which is easily turned, and within reach of the operator. The Shaker or Separator. A properly constructed separator is a very important item in threshing machines. With the upper bottom, which is of galvanized sheet steel, perforated with halfround holes through which the chaff is quickly separated from the straw and a series of beater forks used to beat the straw from the under side, as it passes out of the machine, the separation is made complete.

The Self-Adjusting Wind Regulator; Patent Revolving Apron; the Patent Duster, which carries the dust off with the straw; the shoe and sieves, all combined, make this the most complete shaker and separator on the market today.

PRICE LIST-DELIVERED ON CARS AT FACTORY.

LEVEL-TREAD POWERS WITH LITTLE GIANT

THRESHER AND CLEANER.	
Li	st Price.
Three-horse Direct-geared Level-Tread, with Speed Regulator, Trestle and Bridge, with No. 1 Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, etc., complete for threshing and cleaning grain.	\$365-00
The same mounted on wheels	470 00
The same also with Mountings, Tailings Elevator, 16 feet Straw Stacker and Elevating Jack	520 00
Two-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. 2 Lit- tle Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning	000.00
grain	300 00
The same mounted on wheels	390 00
The same also with Mountings, Tailings Elevator, 14 feet Straw Stacker and Elevating Jack	435 00
Two-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. 2 Lit- tle Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and clean-	
ing grain	290.00
The same mounted on wheels	380.00
The same also with Mountings, Tailings Elevator, 14 feet Straw Stacker and Elevating Jack	425 00
One-horse Double-geared Level-Tread Power (*), with	
Speed Regulator, Trestle and Bridge, with No. 3 Pennsylvania Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning	
grain	210 00
One-horse Direct-geared Level-Tread Power (*), with	
Speed Regulator, Trestle and Bridge with No 3	
Pennsylvania Thresher and Cleaner, Wrenches, Belts,	
Oiler, Dogs, etc., complete for threshing and cleaning	195 00

LEVEL-TREAD POWERS, WITH THRESHER
AND SHAKER. Two-horse Double-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge, with Thresher
Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc \$205 00
Two-horse Direct-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc 190 00
One-horse Double-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge, with Thresher
and Shaker Belt, Wrench, Oiler, Dogs, etc 150 00
One-horse Direct-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc 135 00
LEVEL-TREAD POWERS.
Three-horse Direct-geared Level-Tread Power, with
Speed Regulator, Trestle and Bridge \$185 00
Two-horse Double-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge 140 00 Two-horse Double-geared Undershot Level-Tread Power.
with Speed Regulator, Trestle and Bridge 135 00
Two-horse Direct-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge 130 00 Two-horse Common-Tread Power, with Speed Regulator.
Two-horse Common-Tread Power, with Speed Regulator. Trestle and Bridge 95 00
Trestle and Bridge
Speed Regulator, Trestle and Bridge 100 00
One-horse Double-geared Undershot Level-Tread Pow-
er (*), with Speed Regulator, Trestle and Bridge 90 00 One-horse Direct-geared Level-Tread Power (*), with
Speed Regulator, Trestle and Bridge
One-horse Common or Incline Tread Power, with Speed
Regulator, Trestle and Bridge 80 00
LITTLE GIANT AND PENNSYLVANIA GRAIN THRESHERS.
No. 1 Little Giant Thresher and Cleaner, 30-inch cylin-
der, and small belts
der, and small belts
der, and small belts
inder, and small belts
All of the Above Subject to Special Discount.

A perfect working, triple-geared power; furnished with 20, 22 or 24inch pulley, with 51/2-inch fall, complete with sweeps, lead bars and draw rods. tumbling rod makes 58 revolutions to one turn of the horses, or a speed of 200 revolutions per minute.

Weight, about 600 pounds.

Four Horse Sweep Power.

Weight of power when compleARRIA two sweeps, ambling rod and pulley, is abe 13, 16 of bunds.

Speed of tumbling rod—81 re 6 or 18 C to one walk

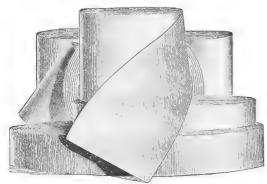
weight of power when complete tumbling rod and pulley, is ab.
Speed of tumbling rod—81 refeor forses.
Length of sweep, 12 feet, refeet diameter. fasten, a circle of 27

Furnished with 20 or 24-inch

Special Discount for Cash.

RUBBER BELTING,

For Agricultural and Other Machinery.



We can furnish a full line of this fine Rubber Belting, but only carry in stock the following sizes:

													List.	Retail.
													Per Foot.	Per Foot.
3-inch, 3-ply									,				26c.	12e.
4-inch, 4-ply													42c.	19c.
5-inch, 3-ply													43e.	20e.
5-inch, 4-ply													52c.	24e.
	SI	00	°i2	ıl	I	P	١i،	(* €	18	£o) <u>2</u> °	C:	ash.	

LACING FOR BELTING.

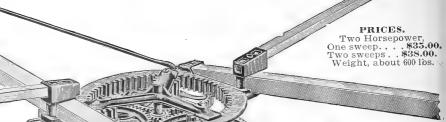
.1½c. per foot. ½-inch Special Prices in Quantities. . .2c. per foot.



Agricultural Suction Hose.

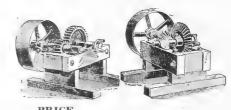
Specially designed for use on our Faultless Low-Specially designed for use on our Faultless Low-Down Force Tank Pumps, see page 134. This hose is composed of good rubber on the exterior; the interior having a galvanized, flat spiral wire to give the hose the required rigidity, and prevent it from collapsing. The ends, for about 6 inches, are of soft rubber, without the wire, for the pur-pose of enabling the operator to fasten securely together. Made in two 10-foot sections. This hose is used for all suction purposes, such as draining cellars, cisterns, etc. draining cellars, cisterns, etc.

PLAIN BORE, GALVANIZED, FLAT SPIRAL WIRE. 40c. per foot.



SWEEP HORSE POWER.

SPUR AND BEVEL GEAR JACKS.



This machine is intended to increase speed and transmit power by belt. The spur belt. The spur gear transmits the gear transmits the motion at a right angle with the tumbling rod, and the bevel gear transmits it in a line with tumbling rod. . . . \$10.00. Special Discount for Cash.

RUBBER



TRIX-3-PLY 3/4-INCH HOSE.

This is a moderate-pressure Hose, and for the purpose for which it is intended is one of the best on the market, and will give satisfaction.

ORIOLE—3-PLV 3/4-INCH HOSE.

A good general-purpose Hose, but a grade better than the above. Will stand a good strong pressure. PRICE. 10c. per foot.

G. & T. EXTRA—3-PLY 3/4-INCH HOSE.

As its name implies, this is an extra quality and will stand a strong pressure. A general favorite with florists and gardeners.

CREST-4-PLY 3/4-INCH HOSE.

This is strictly a first-class Hose, and is made to stand a high pressure.
PRICE.

GRIFFITH—5-PLY 3/4-INCH HOSE.
This is the best Hose we handle. It is made from high-grade

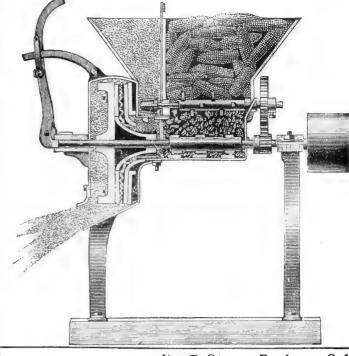
GRIFFITH & TURNER POWER GRINDER.

Special Discount for Cash.

The Only Mill that can be set to Regulate and Grind Successfully Ear Corn and Small Grain both at the Same Time.

No mill is complete without this desirable feature. This is accomplished by No mill is complete without this desirable feature. This is accomplished by having a partition in the hopper and a feeding arrangement for each side. The main shaft is made of cold rolled steel, with good long bearings filled with an extra grade of Babbit metal. The two bearings are cast in one solid piece on the main frame, thus making it impossible for the bearings to get out of line. The shaft is carefully balanced after the fly-wheel and plate are attached, making a steady and light-running mill.

The grinding plates are made of chilled metal and steel mixed, and have teeth shaped to give the best possible results for light draft and for not beating the meal. An extra set of grinding plates free with each Power will. The fly-wheel is enclosed inside the mill, just where it is most needed, and out of the way. They are well made throughout and equal to anything in the market.



No. 5 Staver Buckeye Cob Mill and Power Combined.

FOR GRINDING EAR CORN OR SMALL GRAIN.

- 1. A rapid-grinding Corn and Cob Mill.
- 2. A mill that grinds fine either Ear Corn or Small Grains without change of plates.
- 3. A Cob Mill, a Mill for Small Grain, and a good Two-Horse Power combined in one light-running machine.

This mill has been thor



New Model Sweep Grinder.

Capacity under Ordinary Conditions, 5 to 8 bus. per Hour, Requiring I to 2 Horses. Weight, 400 lbs.

EVERY MILL GUARANTEED.

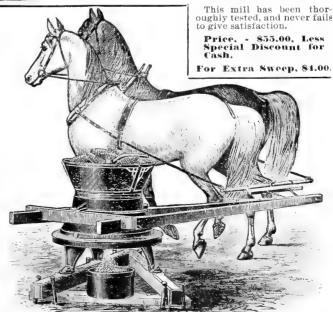
These Mills will Grind all Kinds of Grain as well as Corn with Cob, Oats, Rye, etc., Mixed.

The Grinding Rings are Made from Specially Prepared Hard White Metal, and will Grind Thousands of Bushels Without Replacing.

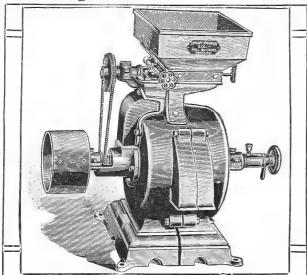
Every Farmer His Own Miller-Saves Your Time and Tollage-Saves its Cost in One Year-Grinds either with Cob or without Cob-The Mill will last a Life Time-No Farmer can Afford to do without One.

We have two sets of patterns of grinding rings or concaves for the New Model Mill—one set for fine grinding and one set for coarser. and when not specified in order, we furnish one fine and one coarse in mill, which grinds the meal medium fine and gives general satisfaction. However, when grinding meal for table use, two fine concaves are used, and when grinding for sheep or horses, two coarse concaves give best results, as they grind faster, but not as fine. The concaves are easily changed; only one set are furnished, unless otherwise ordered, and at an additional cost.

Price, * \$20.00. Special Discount for Cash.



The Sprout Waldron Vertical French Burr Mi



HESE mills are heavy, strong and durable, and expensive to build, there being a large amount of machine work upon them. It will be seen by comparing the description and weight of these mills with the price list that the prices are very low for the class of work. No purchaser would be willing to have them built in a cheaper manner, or any of the improvements left off. Furnished with ball bearings, and the shells are babbitted, turned and bored. Well built and designed for farm use.

Monarch "Light Power" Mills.

WIGHAICH LIGHT POWER MIIIS.

WITH these mills a farmer can grind his own shelled corn, corn and cob, oats and rye, screenings, buckwheat or barley, crack corn for his chickens, or grind the finest quality of cornmeal for his table.

The burrs are genuine solid French burrs, same as used in our larger mills, carefully selected for the work they have to do. Anyone following our instructions, which are very simple, can keep the burrs and mill in good order and run the same very successfully.

Dimensions, 10-inch Mill. — Diameter, hurre, 10 inches.

successfully.

Dimensions, 10-inch Mill. — Diameter burrs, 10 inches. Weight—225 pounds. Size pulley—7x4. Revolutions per minute—1,000 to 1,200. Capacity—Table meal, 2 to 4 bushels; feed meal, 4 to 8 bushels. Length—32 inches. Height—27 inches. Width—17 inches. Floor space—16x16. Height from floor to centre of spout—8½ inches. Height from floor to centre of shaft—10 inches. PRICE—List, \$100.00. Retail, \$54.00.

Twelve-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 49 inches; width over all, 24 inches; height over all, 32 inches; distance from floor to centre

of shaft, 13 inches; floor space base occupies, 20x39 inches; driving pulley, 8 inches diameter, 5 inches face, covered with leather. ing pulley, 8 inches Weight, 500 pounds.

Speed, Capacity, Etc.—1,000 to 1,200 revolutions per minute. Capacity, 5 to 7 bushels of table meal, 12 to 15 bushels feed meal, per hour. Power required, 4 to 6 horsepower.

PRICE—List, \$125.00. Retail, \$67.50.

Sixteen=inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 56 inches; width over all, 25 inches; height over all, 39 inches; distance from floor to centre of shaft, 15 inches; floor space base occupies 22x45 inches; driving pulley, 10 inches diameter, 6 inches face; covered with leather.

Weight, 800 pounds.

Speed, Capacity, Etc.—1,000 revolutions per minute. Capacity—10 to 12 bushels fine table meal, 20 to 25 bushels feed meal, per hour. Power required, 6 to 10 horsepower.

PRICE-List, \$180.00. Retail, \$97.25.

Twenty=inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 67 inches; width over all, 27 inches; height over all, 41 inches; distance from floor to centre of shaft, 16 inches; floor space base occupies 24x54 inches; driving pulley, 12 inches diameter, 8 inches face; covered with leather. Weight, 1,350 pounds.

Speed, Capacity, Etc.—900 revolutions per minute. Capacity—15 to 20 bushels fine table meal, 40 to 50 bushels feed meal, per hour. Power required, 10 to 15 horsepower.

PRICE—List, \$225,000 Retail \$125,00

Retail, \$135.00. PRICE-List, \$250.00.

Twenty=four=inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 70 inches; width over all, 32 inches; height over all, 48 inches; distance from floor to centre of shaft, 17 inches; floor space base occupies 27x57 inches; driving pulley, 16 inches diameter, 8 inches face; covered with leather. Weight, 1,800 pounds.

Speed, Capacity, Etc.—800 revolutions per minute. Capacity—20 to 25 bushels fine table meal, 60 to 70 bushels feed meal, per hour. Power required, 15 to 25 horsepower.

PRICE-List, \$320.00. Retail, \$172.80.

Thirty=inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 70 inches; width over all, 39 inches; height over all, 54 inches; distance from floor to centre of shaft, 20 inches; floor space base occupies 30x53 inches; driving pulley, 20 inches diameter, 8 inches face; covered with leather. Weight, 2,500 pounds.

Speed, Capacity, Etc.—750 revolutions per minute. Capacity—25 to 30 bushels fine table meal, 70 to 100 bushels feed meal, per hour. Power required, 20 to 25 horsepower.

PRICE-List, \$420.00. Retail, \$226.80.

Combined Monarch Corn and Cob Outfit.

ESPECIALLY ADAPTED FOR FARMERS AND THRESHERMEN.

The accompanying illustration represents the mill and an im The accompanying illustration represents the mill and an improved crusher combined. The crusher is driven from the mill spindle by a 3-inch belt. The crushed corn is carried to the mill hopper by an elevator, saving extra handling. This makes a very handy combined mill, the crusher requiring very little power, and need only be run wante grinding ear corn, and can be stopped or started at any time while the mill is in motion. The most successful combined burr stone mill ever offered to the

The cut shows mill and crusher combined on all of the sizes except the special 12-inch mill, for light power, that being constructed slightly different.

No 2

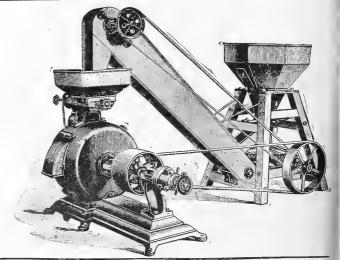
Write for Special Prices on Mill and Crusher combined.

Rubber Belting for Agricultural and Other Machinery.

THREE AND FOUR PLY. SEE PAGE 118.

Sizes-3, 31/2, 4, 41/2, 5 and 6 inches. Prices on Application.

PRICES. List. \$200.00 $256.00 \\ 324.00$



FLOOR SPACE.

GRIFFITHETURNERSO

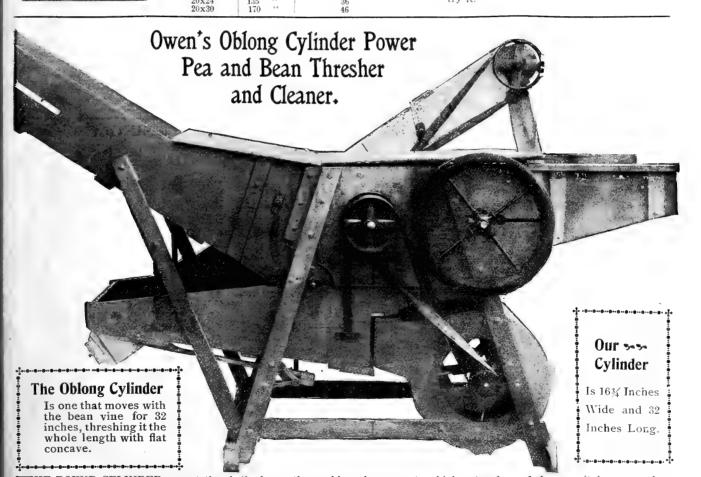
THE GREEN MOUNTAIN SILO

THE one factor of storage room is a big one. A ton of hay requires 500 cubic feet of storage space, while the same amount would store ten tons of ensilage. This and the nature of ensilage makes almost a total absence of fire risk. The farmer who carries his barns full of hay to take his cattle through the winter is carrying much greater risks and paying much more in insurance premiums than his neighbor who has his winter feed stored in a little round barn of moderate cost, which could hardly be coaxed to burn, and which would injure its contents out little if it should burn. Calculate the expense of building a barn to store your hay and compare the result with the cost of a silo and add to both the difference in insurance. Calculate also the amount of space required to contain ten tons of hay in the ordinary barn at 500 cubic feet to the ton and see the result. Write for special catalogue giving full description of silos. Write for prices, giving size wanted, and state if wanted with or without roof. See our Ohio Cutters for Ensilage, pages 114, 115 and 116.

Dimensions. (Regular Sizes.)	Net Tons. Capacity.	Cows it will keep 6 mos. 40 lbs. feed a day.
10x20	28 tons.	7
12x20	40 ''	11
12x24	50 11	13
14x22	62 ''	17
14x24	67	19
16x24	86 ''	25
16x26	95 "	27
16x30	108	31
18x26	120 **	33
20 5-24	105 44	20

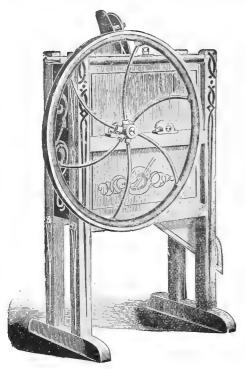
Ten Reasons Why a Silo is a Good Investment ...

- . It will produce a winter's feed nearly the equal of the green pastures of the summer.
- 2. It will do this for less money, and with less labor than is required for an inferior food.
- 3. It will pay for itself in two years,
- It will add 20 per cent, to the profit of each cow in the herd.
- 5. It will keep two cows on the same land that would keep but one without it.
- 6. It will not only produce the best food for the cow, but it will produce also a food which in a small way is equally as good for the horse, the sheep, the fattening cattle, the hogs, and the poultry.
- 7. It will save storage room and insurance rates.
- 8. It will prevent waste.
- It will bring cash dividends from the farm which, without it, can barely "make both ends meet."
- 10. It will do all of this and more, if you will but try it.



THE ROUND CYLINDER cannot thresh the beans thoroughly unless run at a high rate of speed, because it has very short space in which to thresh, and if it does not run at a high speed it cannot thresh the beans at all; they split the beans. By using the oblong cylinder it runs at half the speed, or 300 revolutions, and that solves the question. In the oblong cylinder we have teeth much farther apart than in the round cylinder. The closer youput the teeth the more power it takes to run the machine. A repeat elevator is used to elevate the tailings back into the cylinder. A long carrier is used to carry off the vines, and a long shoe, with zinc sieves in, and blast so directed on them as to clean peas or beans thoroughly. This machine has been thoroughly tested and proven satisfactory in every respect.

LTIMORE SHELLERS.



Note:—Nos. 6 and 5 have same Capacity, but in No. 6 Corn and Cobs run together, and in No. 5 they are separated.

NO.5,

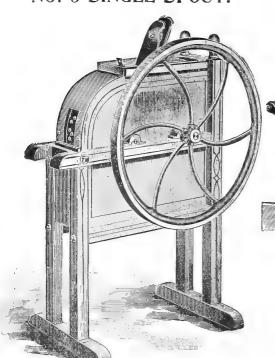
Capacity, 125 bushels per day; single spout; left hand. Without basket holder...... \$6.00. Basket holder extra.....

NO. 6.

Runs shelled corn and cobs together. Capacity, 125 bushels

Price Plain Sheller......\$5,50.

NO. 3 SINGLE SPOUT.



Separates corn and cob. Fan will clean corn for market. Corn discharged beneath Sheller, cobs at end. Easily adjusted for large or small ears. Capacity, 125 bushels a day.
Plain......\$6,50 With Fan.....\$7,00.

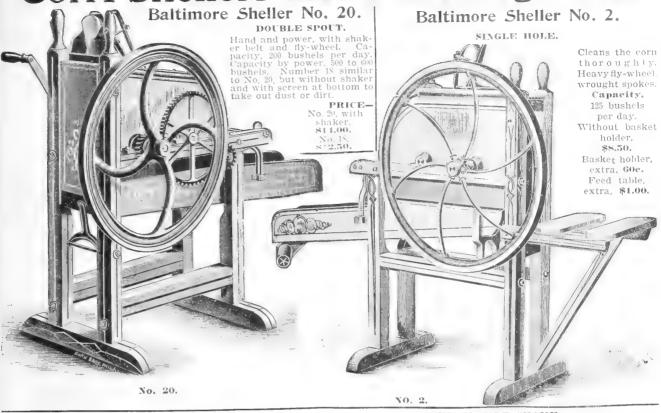
NO. 4 SINGLE SPOUT. "EASY"



Screens corn; side delivery; light running; strong steam shafts. Capacity, 125 bushels a day.

8 to 10 bushels per hour. PRICE \$1.50.

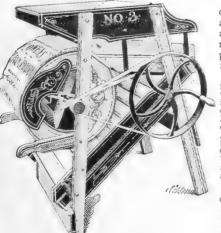
Corn Shellers and Fanning Mills.



OWENS'

WHEAT CLEANER AND COCKLE SEPARATOR,

NO MORE COCKLE.



The Owens takes out more Cockle and foul seeds than any other FAN made: Increases price of Grain 10% to 20 %.

It has given per-It has given perfect satisfaction wherever tried. It is a perfect cleaner of Oats, Barley, Peas, Beans, Clover, Timothy, Millet, Alfalfa, and for removing Cheat and Cockle out of Wheat. It will separate Mustard and all foul seeds from

arate Mustard and all foul seeds from Flax, etc.
We furnish the Owens Automatic Force Feeder with all mills, All of these Mills are end shake, with the exception of No. 20, which isside shake.

NO. 3 FARM MILL.

Special price for cash. NO. 3½ FARM MILL.

Special price for cash.

NO. 5 FARM MILL.

NO. 20-SIDE SHAKE.

This Mill is much larger than the others, and is used more especially for warehouse purposes. It has the slatted canvas principle of the other styles. Capacity 80 to 100 bushels per hour.

Special price for cash.

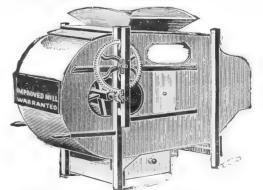
OWENS' LEADER No. 1.

SEED. GRAIN AND BEAN CLEANER. SEPARATOR OF COCKLE, BUCKWHEAT AND MUSTARD Capacity, 40 to 50 Bushels per Hour.

Special price for cash.

The sieves are made of best zinc, and screens of best steel-pressed wire, furnished with Force Feed End Shake, and the best Vertical Blast ever constructed. It works in all kinds of grains and seeds without any attachments. It has an adjust-able Blast Shaft, so as to increase or diminish the force of the blast without increasing or diminishing the speed of the Fan. Made in four sizes for hand and power.

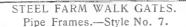
THE BALTIMORE IMPROYED GRAIN FAN.

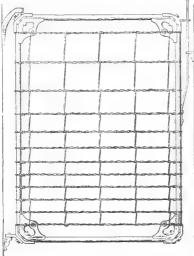


GOOD GEVERAL PURPOSE MILL. Side Shake.

Will clean from 60 to 100 bushels per hour. Made of best ma-crial and finished in a neat and tasty manner. terial and finished in a near terial

stretchers.





CUT SHOWS SQUARE MESH.

The frames and finish of these Gates are the same as Style No. 5, covered with our REGULAR No. 1 CABLED FIELD AND HOG FENCING. Make space between posts 5 inches wider than width of

gates.
State if hinges are for wood or steel posts. For odd sizes add \$1.00 to the nearest standard size. These Gates may be covered with any style of Field Fencing or Poultry Fencing without extra

charge.
Prices Do Not Include Posts.

Width.	Height.	List.	Retail.
312 ft.	42 in.	\$5.75	\$4.03
312 ft.	50 in.	6.00	4.20

STEEL FARM DRIVE GATES. Pipe Frames.—Style No. 8.

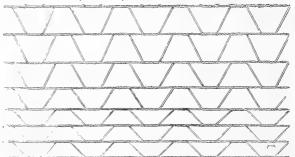
SINGLE DRIVE GATES for farm purposes; the best in the market. Frames made of steel pipe, 1½ inches outside diameter, corners malieable casting. cross braces 5-16 inch round steel rods, and covered with our Regular No. 1 Cabled Field and Hog

Fencing.

Double Gates, same widths and heights, \$2.50 more than above prices. For Single Drive Gates make space 5 inches wider than width of gate and for Double Drive Gates make space 5 inches wider. width of gate. Wider gates furnished on ap-Prices Do Not Include Posts.

Width.	Height.	List.	Retail.
10 ft.	42 in.	\$12.50	\$8.75
10 ft.	50 in.	13.00	9.25

M. M. S. HOG, FIELD, SHEEP AND CATTLE FENCE.



The above cut represents our M. M. S. HOG FENCING. 33 meshes to the rod; it is made very strong and is the only successful Hog Fence now produced with a continuous connecting or mesh wire; we use nothing but the very best galvanized steel wire in it; stretches up nicely.

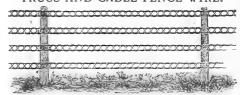
All Horizontal Lines are Cables. All Put Up in 20 Rod Rolls.

		PRICES.	
Height.		List.	Retail.
43 in.	10 cables.	Per rod, S .92	Per Rod, \$.60
50 in.	11 cables.	1.02	.67
63 in.	13 cables.	" 1.22	.80

M. M. S. FIELD AND HOG FENCING

Is made of No. 14 galvanized steel wire throughout; every horizontal line is made of two No. 14 wires twisted together. Spacing between the cables is as follows: Commencing at the bottom of the fence, first three are 3 inches, next two, 4% inches, and the balance 6 inches apart.

TRUSS AND CABLE FENCE WIRE.



It is composed of six galvanized spring steel wires of superior quality and is about 1^{1_2} inches wide. Its strength is equal to the combined tensile strength of all the wires, and its const uction is such as to allow for the expansion and contraction of heat and cold without stretching.

Prices on Application.

BARBED WIRE, PLAIN RIBBON WIRE, PLAIN TWISTED TWO-STRANDED WIRE, PLAIN GALVANIZED WIRE, PLAIN ANNEALED WIRE. Prices on Application.

STEEL POSTS AND RAILS.

These Posts having sharp made ends can be driven the required depth. This is preferable to digging holes, as it saves time, and they are held more rigidly Price, 5 ft., list, \$1.40; retail, \$1.12. Price, 6 ft., list, \$1.50;

rigidity Frice, 510, 1166, 52, 32, 40, 1661, 17 retail, \$1, 20.

Steel Top Rails, 1½ inch outside diameter, drilled and fitted. List, per foot, 14c.; retail, 12c.



WIRE STRETCHER.

The person stretching the wire can nail it to the pest without assist-

The only true principle for a Wire Stretcher.

NEVER SLIP STRETCHER.

Price.

75c.

Has no teeth to cut or injure the wire. If you CUT or INJURE the galvanizing on a wire it LETS IN RUST. Consequently the wire is weakened and breaks at this point. THE NEVER SLIP STRETCHER has an iron jaw, but no teeth. When it gets a hold it never lets go, but hangs on with a death-like grip to all kinds of wire.

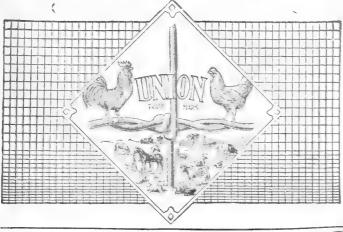
BALING TIES.



The cost of Bale Ties is from 40 to 60 cents per on of hay. To get the length of the tie required, add 3 ins. to the measure around the bale ton of hay.

when under pressure. We keep in stock only the standard size, No. 15,8% ft. long, but can furnish any of the other sizes and lengths on order at lowest prices. **Retail price on application**.

ANNEALED BALING WIRE.-Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices on application.



The horizontal lines of this fence are all composed of two No. 20 galvanized steel wire twisted together.

Beginning at the bottom the first 7 cables are 1½ inches apart, the next three cables are 1½ inches apart, then 6 cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1½x3 inches at the bottom, where it is needed for small chicks, and above 2 feet, where fowls can only reach when on the wing, the mesh is 3x4 inches. The pickets are No. 19 galvanized steel wires and are 3 inches apart. On account of the pickets being at right angles to the cables, this fence will fit any uneveness of the ground without cutting.

Because of its strength and construction this fence requires no top or bottom rail and no more posts than the ordinary woven wire stock fence, or about one-half the number needed for poultry netting. In strength, closeness of mesh, adjustability and economy, it is un-

In strength, closeness of mesh, adjustability and economy, it is un-

						LIST.				
10	rod rolls,	165	ft.	24 i	in, wide,	\$3.10.	When cut.	21/ic.	perrunning	ft.
10		165	ft.	36	4.6	3.85,		234c.	14,	
10		165	ft.	48	* *	4.40.	6.6	316c.	6.6	
10	+ 6.	165	ft.	60	6.6	5.25.	+ 6	4 c.	,	
10	6.6	165	ft.	72	b 6	5.95,	1.6	41/2c.	6.6	

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer.

Diamond Mesh Poultry Netting.

The wire we offer is all Nos. 19 and 20 double-twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

Prices z-Inch Mesh.

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft.	Per Bale.
19	12	150	8 .75	20	12	150	\$.79
19	18	225	1.12	21	18	225	1.08
19	24	300	1.50	20	24	300	1.35
19	36	450	2,25	20	36	450	2.02
19	48	600	3,00	20	48	600	2.70
19	60	750	3.75	20	60	750	3 3 7
19	72	900	4.50	20	72	900	4.05
			1 12	1 1	1 4 00	1 0.	

 $\mbox{\bf Price}, \mbox{\bf 1c}, \mbox{\bf per} \mbox{\bf sq}, \mbox{\bf ft}, \mbox{\bf in less than bale lots}. Staples for fastening, <math display="inline">\mbox{\bf 10c}, \mbox{\bf per} \mbox{\bf pound},$ We also earry in stock a few sizes of one inch mesh as follows:

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft,	Per Bale
19	24	300	\$3.90	20	24	300	\$3.30 °
19	36	450	5,85	20	36	450	4.95
19	48	600	7.80	20	48	600	6.60

PORTABLE SCALES.

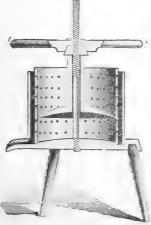
These Scales have been on the market about five years, AND ARE FAVORABLY KNOWN AS THE FINEST SCALE THAT IS BEING OFFERED THE TRADE TO-DAY AT THE PRICE. They are carefully adjusted by competent workmen, and ARE GUARANTEED U. S. STANDARD SCALES. Although cheap in price, they are by no means cheap in appearance or construction. The material throughout is of the best quality, and all pivots are of steel. The brass work is highly polished; the iron work is japanned in black, and the wood work is finished in its natural color, making a very attractive combination. They are carefully packed for shipment, and can be set in position ready for use in a few minutes.

Sizes are as follows:

Sizes are as follows:

600 lbSize of Platform,	16x23 \$18,00	
800 lb.—Size of Platform,	16x25, 20.00	
1000 lb.—Size of Platform.	17x26	

LARD AND FRUIT PRESS.



Special Discount for Cash.



Best, simplest and cheapest. It is substan-

Price.....\$400

We also handle the

ENTERPRISE PRESSES.

Crescent Galvanized Steel SCOOPS. FOR SUGAR AND SALT.

Siemens Steel Extra Galvanized Non-Corrosive



No. 1—Capacity, 1½ lbs. Retail, 20c. No. 3— " 2½ lbs. " 25c. No. 4— " 3½ lbs. " 30c. 30c. 35c.

Cast Aluminum Scoops. MADE OF PURE ALUMINUM.

ABSOLUTELY INDESTRUCTIBLE. LIGHT AND CONVENIENT.



No. 1, size, 4x11 ins., \$1.25 each. No. 2, size, 5x12 ins. \$1.50 each. No. 3, size, 5\(\frac{5}{2}\)x14 ins., \$1.75 each. Per \$1.50 each. set, \$4.50.

Utility Steel Baskets.

Heads and Handles,

JAPANNED. DRY MEASURE.

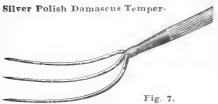
With bail and side handles,

With bail and side handles, ½ bush., price, 40c.
With patented clips and drop handles, ½ bush., 50c; same, 1 bush., 60c; same, 1½ bush., 75c.
With side handles, corrugated iron bottoms, graduated, ½ bush., 40c; same, with side handles and bails, ½ bush., 50c.
Any of the above can be furnished galyanized

nished galvanized.

Write for Prices





HAY FORKS.

No. 026—Two-tine hay, strap ferrule, straight handle, retail price.

No. 26—Two-tine hay, common or plain, straight handle, retail price.

No. 035½—Three-tine hay, strap, straight handle retail price.

No. 35½—Three-tine hay, common or plain, straight handle retail price.

7 or eight foot Handle Forks, extra. 45c. each.

60c. each.

STEEL RAKES.



No. 14-Prize Bow, Braced Rake, solid steel, 14 teeth. retail price........
No. 16-Prize Bow, Braced Rake, solid steel, 60c, each

HE PEERLESS



Fig. 8 MANURE FORKS.

No. 1106—Patent Locked Forks, extra heavy, full polished, strap ferrule, re-tail price... No. C 044½—"Champion" Four tine Man-ure, long handle, strap ferrule, re-tail price . 65c. each.

No. C 04D.—'Champion' Four-tine ma-nure. Mall. D handle, strap ferrule, retail price

Damascus Tempera Fig. 9.

No. 404%—Four-tine Manure, long handle, strap ferrule, retail price......... 60c. each.

No. C 44%—Four-tine Manure, retail price... 50c. each.

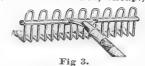
No. 44%—Four-tine Manure, long handle, common ferrule, retail price....... 50c. each.

No. 40 D—Four-tine Manure, Mall. D handle, strap ferrule, retail price............... 65c. each.

We carry some special heavy Manure Forks not listed leter.

THE BOSS GARDEN RAKE.

(Strong, All Steel, Tinned, Cheap.)



THE EXTRA HEAVY EXTRASTRONG TINES.

Fig. 10. Fig. 11. SPADING FORKS

Retail Price.

THE IOWA FARMING TOOL CO. FORT MADISON, TOWA General Utility Fork

No. 44—Coke Forks, 14 tine, D handle, strap errule\$1.75 each.

.... \$1.50 each. Special Prices in Quantities on all Forks.

Each Rake is made of ONE PIECE of solid steel; no iron; no welding. They are hardened, oil tempered and beautifully finished MALLEABLE RAKES.

-	tectan I iice.
No. 010-Heavy Single Shank Malleable Rake	15c. each.
No. 012-Heavy Single Shank, Malleable Rake	20c. each.
No. 014-Heavy Single Shank, Malleable Rake	25c. each.
No. 016-Heavy Single Shank, Malleabie Rake	25c. each.
No. 0012-Heavy Braced Shank, Malleable Rake	25c. each.
No. 0014-Heavy Braced Shank, Malleable Rake	
No. 0016-Heavy Braced Shank, Malleable Rake	
No. 1-Solid Steel Turf Edger	
No. 30-Steel Thistle Dock Cutter	50c. each.

QUEEN STEEL GARDEN RAKE.



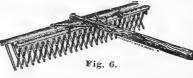
Neat, Strong and Durable. Bright Finished.

Fig. 2. No. 110-"Peerless" Shank, braced. solid

Twisted Teeth.

16 Teeth 40c.

AUTOMATIC= SELF-CLEANING RAKES.



LAWN RAKES.

Fig. 6.—A backward motion of the Rake from the operator will clean all the teeth at once, thus avoiding the disagreeable task of cleaning the teeth with the fingers. The teeth are made of the best hickory, and will not tear the sod or grass.

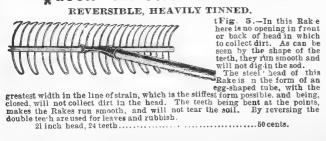
 With 22 teeth
 60 cents.

 With 26 teeth
 70 cents.

 Lawn King Rake, with 22 teeth
 40 cents.

We carry the lowa Farming Tool Co.'s line of CELEBRATED STEEL GOODS embracing a full assortment of Hoes. Forks Rakes etc. They are well known for their superior quality and finish, and beauty of design. Al made of best material obtainable and severely tested.

Steel Lawn Rake.



Corn, Potato and Manure Hooks AND CORN KNIVES.

Garden Sets, 3 Pieces, 5-T Rake, Shovel and Hoe, \$1.00 per set

HAND FIELD AND GARDEN TOOLS.

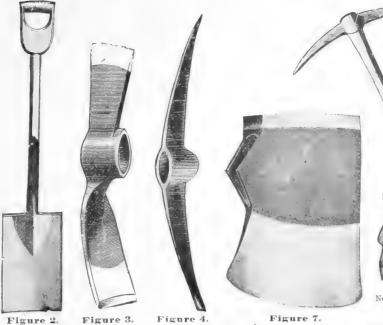


Figure 5. Figure 6.

The "Crescent" Cultivator Hoe.

"This part is Concaved and Sharpened.

Figure 8.

The 'VICTOR'

Garden Cultivator

FIGURE 1.

Figure 1. No. 2-Long Handle, Square Point, Socket Shovel 75c.

Scoop Shovels of all sizes always on hand. Wood and Wire Potato Scoops, different styles, in stock.

| Retail Price.
| No. 2-D Handle, Square Point, G. & T. Warranted |
Steel Shovel	Shovel	Shovel
No. 2-D Handle, Solid Socket Steel Shovel		
75	No. 2-D Handle, Patrick Steel Shovel	
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SCOOP SHOVELS, GRAIN AND COAL.

Retail Price

No. 4—Easton Patent, Patrick Socket Scoop Shovel,
for coal Socket Scoop Shovel,
for coal Socket Scoop Shovel,
for coal Socket Scoop Shovel,
for grain Socket Scoop Shovel,
for coal Socket Scoop Shovel,
for grain Socket Scoop Shovel,
for grain

Many other sizes and styles always on hand.

Figure 9.

SILVER POLISH TROWEL TEMPER.

Figure 10.

THE VICTOR GARDEN CULTIVATOR is popular because it is made of best material. The shanks and blades are extra good stock and, are easily adjusted.

easily adjusted.

No. 90—Complete, on 5-foot handle, with 3x5 biades.

Each...



Figure 11-KRETSINGER CUT-EASY HOE.

This is the finest Hoe made. Cuts easy, sells easy. Try it. Price, 55c. each, \$6.00 per dozen.

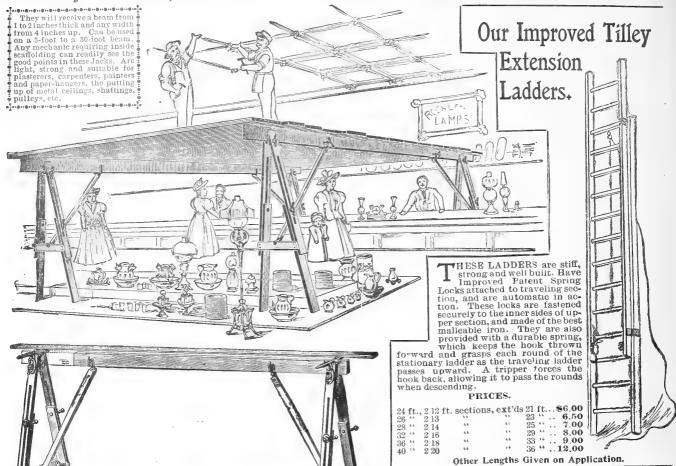
	FIGURE 2.	Retail P	rice.
No.	2-D Handle, Square Point, G. & T. Warranted Steel Spade 2-D Handle, Square Point, Patrick Solid Back Steel Spade 2-Long Handle, Square Point, Patrick Solid Back Steel Sp		.90 .80 .80
	FIGURE 3.	Retail. Li:	st.
No. No. No.	1-5 lb. Best Quality Warranted Steel Mattocks 1-6 lb. Best Quality Warranted Steel Mattocks 2-5 and 6 lb. Best Refined Iron Mawocks (Steel Cutters) 1 and 2-Warranted Steel Grub Hoes 1-3½ lb. Best Refined Iron Grub Hoes (Steel Bit), 2-4 lb. Best Refined Iron Grub Hoes (Steel Bit).		00
	FIGURE 4.		
	1-6 to 7 lb. Best Quality Warranted Steef R. R. Picks 2-6 to 7 lb. Best Renned Iron R. R. Picks (Steef Point) .	.90 .60 13	50
No.	Figure 5—PICK AND MATTOCK HAN XX—Best Quality, Selected, Second Growth Hickory Pick X—Good Quality White Hickory Pick Handles 1—Good Quality White and Red Hickory Pick Handles 2—Mixed White and Red Hickory Pick Handles Figure 6—GIBBS' POST HOLE DIG	Handles 2	tail 5c. 0c. 8c. 5c.
	The state of the s		

Digs faster, works easier than any other on the market. All wearing parts have steel pins. Makes a hole of any desired diameter. First-class for tree planting. Price, 81.75.

STEEL SOLID HANDLE POST SPADE.

Flattened at one end like a spade. The other end is sharpen'd and can be used as a crowbar. Light, durable, effective, cheap. Price, \$2.00.

Tilley's Adjustable Patented Scaffolding



OUR IMPROVED

Tilley Step and Extension Ladders.

Decorators' Ladders, SEE NEXT PAGE.

THIS improvement consists of suspension brackets, which permits of making a scaffold at any elevation lower than the height of the Jack when down to its limit. These brackets can be used with Jacks already sold. They cost but 60 cents. With them and the proper size Jack the scaffold can be made to fit a store or basement.

FIG. 1.

The iron brackets or arms, as illustrated in Fig. 1, are used when platform is wanted on one horse. These brackets are hooked into malleable castings at top of leg and will support a platform two feet wide the whole length of horse. This furnishes a convenient arrangement for moving about, working side walls, or to use in narrow hallways. Price, 85 cents per set (4), net.

Fig. 2 shows two Jacks represented in Fig. 1 as "knocked down." It is unnecessary to comment upon its compact form.

its compact form.



FIG. 2.

FERGUSON ALBANY.

31/4 x 11/4 SLOTTED LEG. 31/4 x 11/4 TRAVELING LEG.

						, 0		
						5 ft		
					6.6	6 ft	6.6	2,50
No.	7-	4.6	5	6.6	6.6	8 ft	6.6	2 80
No.	8	6 6	6	6.6	44	9 ft	6.4	3,20
	9-				6.6	ll ft	6.6	3.55
No.	10 -	6.0	8	66	6.6	12 ft., 6 inches	61	3.80

EXTRA HEAVY FOR PLASTERERS AND MILL WORK.

4 x 11/4 SLOTTED LEG. 37/4 x 15/4 TRAVELING LEG.

				,						-									
					gh, will extend													Jack,	\$2,90
	12-				k1	- 8	í	t			 ٠.					٠.	 	44	3.20
No.	13-	6.6	6	6.6	6.6	9	Í	t			 	٠.	٠.				 	4.6	3,60
No.	14	6.6	7	1.6	6.6	11	f	t.		٠.	 						 	4.6	4.00
No.	15	6 6	- 8	6.6	6.6	12	f	t. 6	ir	١	 			٠.			 	2 6	4.30
No.	16-	6.6	10	b 6	6.6	15	f	t		٠.	 ٠.	٠.	٠.	٠.	 			66	5.00

No. 16— 10

Nos. 8 and 13 have an extra end brace on slotted legs, with iron brace at each end of same. Nos. 9, 10, 14, 15 and 16 have extra end braces, same as 8 and 13; also have an extra grip on friction bolt in each traveling leg, making the Jacks much stronger than formerly. There have been several valuable improvements made in the details since the issue of former, or 1894, price list.



EUREKA—Well adapted to any use to which step-ladders are put. It has a special style of hinge, connecting front and back, bolted on, rodded, and well braced with iron. Some prefer the open back, detached, as it admits of using a plank to make a platform more readily.

Prices, Step Ladders, with Pail Rest.

5 ft......\$2.00 10 ft.....\$3,25 6 ft 2.25 8 ft 2.75 12 ft.....

Other Sizes on Application.

lley's Decorator Step Ladders.

This is without doubt the strongest step ladder of its weight on the market.
There is an iron knee and brace under the ends of each step, which passes down brace under the ends of each step, which passes down through the step and out through the side piece and is riveted at each end, thereby forming both tie and brace; also has extra iron braces under the bottom step. The back legs fold over the sides or front part, as shown in cuts, occupying but little space.

Particularly adapted for paper hanging, decorating, or when a light, strong step ladder is required.

Sizes, 4 to 12 feet.

PRICE. . . . 25c. per foot.



MSHERER COMBINED AND EXTENSION LADDER.

AN be almost instantly changed to any height up to nearly twice its closed length, the rungs always being exactly opposite each other in the lapped portion, no matter what the amount of extension; or by swinging the bottoms apart, a reliable and convenient step ladder is obtained. They can also be extended or closed, and for any use that a step ladder can be used are very desirable. All ladders over 24 feet in length are made in two long sections, with flared bottom, adding to the rigidity and reducing the slipping at bottom to a minimum. This ladder will come apart and each section can be used separately. This style can, of course, be extended or closed, but does not swing apart, forming a step ladder, as does the other style. We use Norway pine for sides; rock elm, or second-growth white hickory for rungs; the very best grade of malleable iron castings for metal parts.

PRICE LIST.

12.	-foot	extension	ladder	ma	kes	6-foot	step	ladder						\$2.16
14	6.6	4.6	4.6	6.0		7 44	44"	4.6	-					2.52
16	6.6	44	6.6	6.0		8 11	4.0	4.6	_			_		2.88
18	4.6	44	4.6	6.6		9 "	6.6	44			-			3.24
	4.6	4.6	8.6	6.0	1	10 "	4.6	4.6				Ĭ		3.60
20 22	4.6	44	6.6	6.0	1 1	11 "	4.6	4.6						3.96
24	4.6	44	4.6	6.6	1	î2 "	6.6	6.6			ľ			4.32
26	66.	6.6	6.6	in			ns of	12 and	14	l fi	t.	ea	ch	
28	6.6	44	4.6	6.6	44	44		12 "	16				6	5.60
28 30	6.6	4.6	6.6	6.6	# 4	4.6	6.6	14 ''	16	111	-	- 4	6	6.00
32	4.4	. 66	6.6	66.7	6.6	4.6	4.6	14 "	18			- 4	6	6.40
34	4.6	66	4.6	6.6	4.6	6.6	6.6	16 "	18			- 4	6	6.80
36	4.6	6.6	6.6	6.6	6.6	4.6	6.6	16 "	20	111		- 0	6	7.20
34 36 38	6.6	8.6	6.6	4.6	6.6	6.6	6.6	18 "	20			- 6	6	7.60
40	6.6	6.6	4.6	66	4.6	6.6	6.6	18 "	22				6	8.00

TILLEY'S IMPROVED

SECTIONAL LADDERS,

Sections, 6 feet 5 inches long. EITHEP FLATE AND PIN LOCK OR LOCK NUT FASTENING.

Per Section \$1.50

In ordering, bear in mind that a certain amount has to be allowed for the 'lap" when the ladder is in its most extended form, the amount of necessity increasing as the ladders increase in length, in order to obtain perfect safety and firmness. In lengths of 12 to 18 feet deduct one foot for lap—that is, a 12-foot ladder would be 6 feet high when closed or would form a 6-foot stop ladder, but would be called. form a 6-foot step ladder, but would be only 11 feet long when extended. In lengths of 20 to 32 feet deduct two feet, and from 34 to 40 deduct three feet from the total length in same





Extended.

Bent Rung, Step, Extension and Single Ladders.

A 16-foot Single Ladder weighs only 21 to 25 pounds. By drawing out a small rod at top of step ladder it can be converted into two separate ladders. These goods are made nearly altogether by hand, and are very much superior to factory ladders. No holes are bored in the side pieces, thus making them the strongest and lightest ladders made. The rungs are made of toughest hickory. A slight groove in the side pieces, in which the rungs are set, acts as a brace and aids to stiffen the ladder.

SINGLE LADDERS.

				0																								
8	feet	t.		\$2	()()	•	1	12	1	ee:	et			8:	} `	10)	- 1	16	f	e	et			84	30	
0	4.6			2	-	50		1	4		6.6				3	7	0	١	1	18		. 64	Į.			4	90	
0	6.6								٠					0		٠		0	۰		۰		٠	٠		5	60	

COLUMBIA BENT-RUNG DOUBLE STEP LADDERS.

						. 1	ro	n	th	ıe	foll	lowin	g	DI	·i(Эe	S	ž .		
4	feet		\$3	00	6	fe	et.			\$4	00 I	9	fe	ēt	٠.			85	50	þ
5	44				7	6					F 50	10	- 6	6				, 'G	00	,
					8	- 6	6	_	_		600	12		£				- 9	0.00	٠

BENT-RUNG SINGLE STEP LADDERS.

Same lengths and prices as above. Less 60 per cent.

EXTENSION LADDERS.

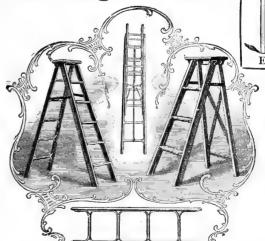
Less 35 per cent. from the following prices:

		T	WO	Lade	le	r	s.				T	v	o La	adde	rs			
Each	l.		Ext	ende	d.			Price.	E	ach.			Ext	ende	d.		Price	٥.
10 fe	et.		. 17	feet				\$7 40	16	feet			. 29	feet			\$12 20	
12 "			. 21	4.6				8 90	18	66 .				6.6			14 40	
14"			. 25	4.6		-		10 40	19	60			. 35	6.6		Ċ	15 20	0
15 "			. 27	66				11 20	20	44.			. 37	4.6			16 0	0

WETTLING STEP LADDER.

GOOD QUALITY.

All lengths from 4 to 10 feet at 15c, per foot, SPECIAL PRICES IN QUANTITIES.

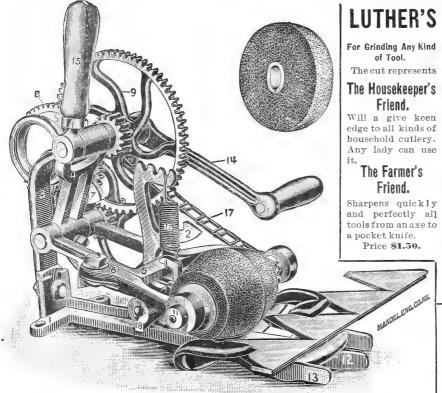


HASTING'S STEP LADDER.

WITH UPRIGHT SUPPORT UNDER EACH STEP.

STIFF, STRONG AND DURABLE.

All lengths from 6 to 10 feet, 18c. per foot.
FIRST CLASS IN EVER YPARTICULAR.
SPECIAL PRICES TO PAPER HANGERS, PAINTERS AND
THE TRADE GENERALLY ON ALL LADDERS.



LUTHER'S EMERY TOOL GRINDER.



STEEL FRAME GRINDSTONE.

With this frame we have no loose joints because being of steel, and all in one piece, there are no bolts to loosen or mortices to rot, which happens with the frame.

LUTHER'S SICKLE GRINDER.

The improvement in this machine embodies a device that automatically drives the emery back and forth (horizontally) over the sickle (or by the simple lifting of the oscillator, it may be controlled by hand and at the will of the operator) while a finely tempered steel spring gives just the proper pressure.

Ingenious and almost frictionless tapered adjusting nuts are employed for lifting the emery stone from the heel and point of the sickle at any place desired. Every emery stone is guaranteed against being too softor crumbly. The clamps for holding sickle are the simplest and most effective ever placed on an article of this kind.

The advantages of the above features will at once be apparent to the experienced. For simplicity of operation, for workmanship, durability and strength, Luther Bros. and Neuens Automatic Sickle and Tool Grinding Machines are preeminently in the lead and winners of trade wherever used.

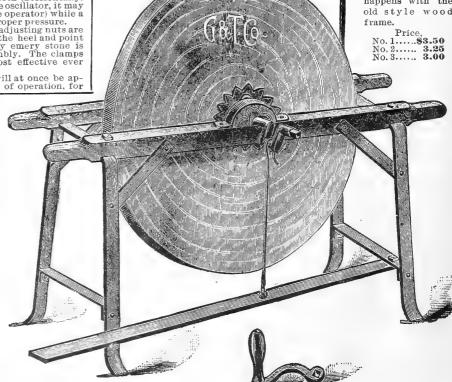
wherever used. Price \$4.00. Same with foot power \$5.00.

SCHOFIELD STEEL FRAME BI-TREADLE GRINDSTONE.



This is without doubt one of the handiest implements on the farm. No necessity to call a boy to turn the stone, the work being done with both feet, as its name indicates. It has also a self-watering attachment.

Price, Stone and Frame, complete, \$5.25.





THIS is a very handy little mill for making a small quantity of cider, 5 or 10 gallons at a time. All of the juce of the apples can be gotten out, but not so rapidly as with the other styles on this page. It is really intended more for grinding grapes and other small fruit for wine, and is so constructed as not to crack the seed.

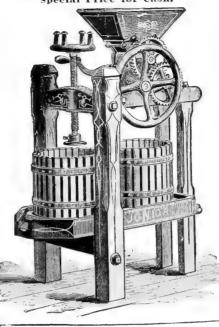
No. 0-Single Cage Mill . \$9.50

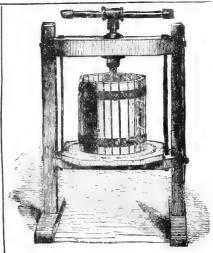
Special Discount for Cash.

unior" Hand Cider Mill.

THIS Mill is almost identical with the "Medium" and "Senior," except it is smaller, and it has only one handle. In the preparation of the pomace for cider, it is the same in all its parts.

Price Special Price for Cash.





.. Berry Press ..

HIS little press is for the purpose of expressing the juice of grapes and other small fruits for wine making. Strong and substantial. Made of oak staves securely bound with a rivet in each stave. Frame of oak and securely ironed, and will stand great pressure.

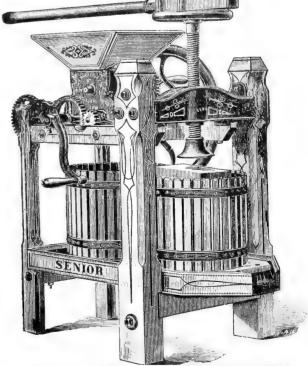
Special Discount for Cash.



"Medium" Hand Cider Mill.

A compromise between the "Junior" and "Senior," and a general favorite. Has only one handle.

Special Price for Cash.



"SENIOR" HAND AND POWER CIDER MILL.

THIS is our largest sized Mill, adapted for hand or power. with a detachable handle on either side. The top set of rolls first mash the fruit fine, and the bottom set grinds it, thoroughly breaking all the cells, so that the cider is entirely extracted. These mills produce more cider to a given quantity of apples than any other Mill on the market. . . . \$22.50

Special Discount for Cash.

With and Without Porcelain Cylinder. PRICES OF PUMPS FITTED COMPLETE.

Pump for	0.61	LIST.					
4.6"	0 6 4		RETAIL.	LIST.	RETAIL.	LIST.	RETAIL.
66 66 66 66 66 66 66 66 66 66 66 66 66	8 10 112 114 114 116 118 118 119 119 119 119 119 119 119 119	\$7.52 7.86 8.20 8.54 9.16 9.54 9.92 10.30 10.68	\$5.26 5.50 5.74 5.97 6.41 6.67 6.94 7.21 7.47	\$9.02 9.36 9.70 10.04 10.66 11.04 11.42 11.80 12.18 13.18 14.18 16.00 16.80 17.60 18.40 19.20	\$6.31 6.55 6.79 7.02 7.46 7.72 8.00 8.26 8.52 9.22 9.22 10.62 11.20 11.75 12.32 12.88 13.44	\$10.77 11.11 11.45 11.79 12.41 12.79 13.17 13.55 13.93 15.18 16.43 17.68 18.50 19.30 20.10 20.90 21.70	\$7.53 7.77 8.00 8.25 8.68 8.95 9.20 9.48 9.75 10.62 11.50 12.37 12.95 13.51 14.07 14.63 15.19
	40 '' 45 ''	 		20.00	14.00	22.50	15.75
	50 "	 		22.00 24.00	15.40 16.80	24.20 26.20	16.94 18.34

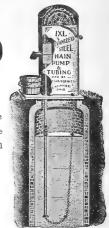
◆ THE ◆ IXL GALVANIZED STEEL CURB.

It will not rust, being made out of No. 24 Gauge Galvanized Steel. It will not rot or accumulate filth, and leaves the

water clear and pure.
It is anti-freezing, as the reservoir piece has a small hole in same, which allows the water to run out.
It can be used in wells as deep as 40 feet.

PRICES:

Galvanized	Curb		 											S	3	. 2	1	5
Tubing, per	foot.													. "		.0	ď	7
Coupling		٠.					٠.						٠			٠,	l	6
Rubber Buc																		
Iron Platfor																		
Chain, per 1	D	٠.			٠		۰		 ٠	٠	٠	•	٠		•	· U	,	1



STANDARD LIST PRICES

Wood Pumps, Tubing and Extras,

To Take Place of Corresponding List Prices in Our 1901 Catalogue.

ADOPTED NOVEMBER 1st, 1899.

"No. O."-STOCK PUMPS.

	SEV.	EN I	NCHES S	QUARE, FO	JR INCHE	S BORI	Σ.	
Porcelain	Line	1, 6 f	eet long	, in one pie	ece			\$8.75
6.6	4.6	7	14	46				9.50
44	6.6	- 8	4.6	4.6				10.00
£ 6.	6.6	10	6.0	4.6				11.25
6.6	6.4	12	6.6	6.6				
4.5	6.4	10	1.6	Extension				
6.6	6.6	12	4.6	4.1				
4.6	4.6	15	4.6	6.6				
6.6	6.6	20	6.6	+ 6				
6.6	4.6	25	1.6	4.4				
6.6	4.6	30	6.6	6.6				
Without 1	Lining	, 6	6.6	in one pi				
"No	1 22	TI	HE E/	VODIT	E HOI	TOF	DIIMI	P

THE FAVORITE HOUSE PUMP.

SIX	INCH	ES S	QUARE,	THREE ANI	A-HALF	INCHE	S BORE.	
Porcelain	Line	d, 6	feet lon;	g, in one pi	ece			\$7.00
h h	6.6	7	6.6	6.6				7.50
2.2	6.6	- 8	6.6	4.6				8.00
4.4	4.6	10	4 -	4.4				9.00
•	6.6	12	4.4	4.6				10.00
4.0	6.4	10	4.6	Extensio	n Cylinde	er		8.70
1.5	6.4	12	6.4	6.6				9.50
4.6	6.6	15	4.4	6.6				10.70
1.4	6.6	20	4.6	4.4			,	12.70
4.6	6.6	25	4.6	4.6				14.70
	6.6	30	6.6	6.6				16.70
Without I	Lining	g 6	4.6	in one pi				5.50

PUMPS FOR DRIVE WELLS.

to fit $1\frac{1}{2}$, $1\frac{1}{4}$, or 2-inch iron pipe.

TUBING AND COUPLINGS.

No. 1 Tubes, 4x4, per foot (House and Stock)\$.17
Same 12 feet long and over	.19
	.40
Couplings for No. 1 Tubing, with Bands	.50

National Chain Pumps.

This Wood Curb Chain Pump is firstclassinevery respect; nicely finished; nicely painted and striped.

PRICES:
Chain Pump Curbs,
each \$2.00
Chain Pump Tubing,
per foot5c.
Chain (running 4 to
4½ feet to pound),
per pound 7c.



EXTRAS

	LATRAS.	
Extra	Iron Spouts, Japanned, each \$.30
4.6	" Patent Loose Collar	.40
6.6	Wood Spouts, each	.15
6.6	Braces for Wood Spouts, each	.15
6.6	Iron Brackets, No. 36 and No. 35, each	.40
4.6	" No. 37, closed, each	.50
6.6	Plungers, 5 inches, each	1.25
4.4	rungers, o inches, each	
6.6	4 " " " " " " " " " " " " " " " " " " "	1.00
11	31/2 "	.80
6.6		.65
	" Wood, per doz	3.00
4.6	" Leather, "	3.50
6.6	Handles, each	.30
1.6	Handle Links, each	.25
4.6	Bands, each	.10
6.6	Check Valves, per doz	1.50
6.6	Splice Straps, pair with bolts	.25
4.4	Iron Pipe Connections, each	1.00
6.6		
6.6	Bucket Rods, per foot	.03
	Cork Lined Frost Faucets, each	.40

VICTOR EXPANSION RUBBER BUCKET.



For Chain Pumps. Freezing. Price......

IXL RUBBER BUCKET.



THE QUEEN.



CROSBY SWIVEL LINK.



Price, Crosby Swivel Link, 9c. Plain......

	BRAS	SS JACKE	T DRIV	E WEL	L POINTS.	
Numbers. 90 94 98 102 136 140 144	Diameter of Pipe, 11/4 11/4 11/4 11/4 11/4 11/4 11/4 11/4 11/4 11/4	Length Jacket. 18 inches. 24 inches. 30 inches. 42 inches. 18 inches. 24 inches. 30 inches.	Length Pipe. 24 inches. 30 inches. 36 inches. 48 inches. 24 inches. 30 inches.	No. Holes, 100 130 165 270 120 162 198	No. 60 Gauge per doz. List. Price \$36.00 Price \$6.00 Price 56.00 Price 56.00 Price 48.00 Price 60.00 Price 60.00	Retail Price each. \$.90 1.05 1.40 1.90 1.50 1.50
148	11/2	42 inches.	48 inches.	276	Price 96.00	2.40

FORCE AND LIFT IRON PUN



FIGURE 1018. Anti-Freezing Lift Pump ...

PEN TOP. Shallow wells and cisterns. By lower-ering cylinder to within 15 feet of water, pumps can be used in wells 40 to 50 feet. in depth.

Pump base to bottom of cylinder, 4 feet.

Cylinder. Stroke. 3x10 inches. 6 inches

Capacity, per Stroke.

Suction. 11/4-inch pipe. Lift. 30 feet.

PRICE-Iron Cylinder:

FIGURE 1153.

Set Length Lift Pump.

With adjustable base and

With adjustable base and brace, syphon spout, revolving bearer top. Base to bottom of cylinder, 4 feet. Under base is heavy pipe nut, connecting standard with set length Wrought-iron pipe stock, with base and brace, which can be adjusted to meet any height of lever and spout.

No. Cylinder. Stroke. Cap'y, per Stroke. Suction. Force and Lift.

3x10 in. 5 in. 15 gallon. 1½-inch pipe. 40 feet. PRICE—Iron Cylinder: \$11.50 Retail \$7.00

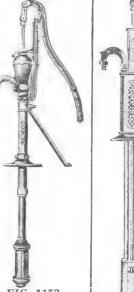


FIG. 1025.

11/4-inch pipe.

No. Cylinder.
4 2½x14 inches.

ing.

No. Cylinder. Stroke.

4 3x19½ inches. 6 inches.
Capacity, per Stroke. Suction.
.18 gallon. 1½-inch pipe.
Discharge. Well Rod.
3¼-inch hose. ¾ inch.
Lift and Force.
75 feet. PRICE-Brass-Lined Cylinder:

FIGURE 1308.

FIGURE 1025.

Double-Acting

Force Pump.

Anti-Freezing Force and Lift Pump

BRASS cylinder; deep or shallow wells; light top; large air chamber, provided with pet cock. Adjustable base and brace. Discharge fitted for ¼-inch hose. Will go inside 3-inch casing. Capacity, per Stroke.
.21 gallon.
Lift and Force. Stroke.

100 feet.



FIG. 1308.

PRICE— Brass-Body Cylinder: List \$17.00 Retail \$10.00

The Gem Galvanized Steel Chain Pump



HAS extension base, which also projects below platform, and is easily fitted

by cutting a square hole in the platform the length and the width of the bottom of pump.

The fixtures are first class and anti-freezing.

The pump is painted stone color, with two coats of the best paint, and is neatly stenciled and varnished.

Made entirely of Galvan-ized Steel, in four pieces, locked together with its own

There are neither rivets nor solder on it, making it very strong.

A "Gem," indeed.

PRICE . . . \$2.50

Water

Purifier.

Purifies water by means of oxygen forced into water.

Strength, durability and workmanship cannot be surpassed.

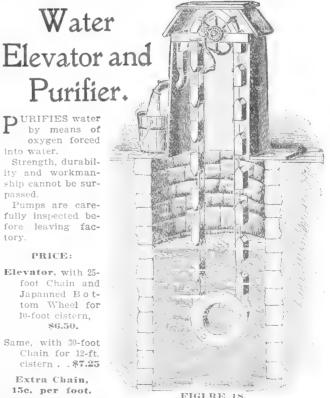
Pumps are carefully inspected before leaving factory.

PRICE:

Elevator, with 25foot Chain and Japanned Bottom Wheel for 10-foot eistern, \$6.50.

Same, with 30-foot Chain for 12-ft. cistern . . \$7.25

Extra Chain. 15c. per foot.



Faultless Force Tank Pump.

LOW DOWN. DOUBLE-ACTING.

FIGURE 805.

Capacity, 2000 gallons per hour. Fitted for hose and two-inch pipe. Handle can be changed to opposite end.

The cylinder being horizontal, great strength is gained.

Cylinder, 5 inches diameter; 5-inch stroke, 2-inch openings for suction and discharge.

Plunger is solid: no valves to get out of order. and moving it in cylinder forms suction, which fills cylinder and at same time drives water out at other end. Then, on return stroke, this water is driven out and cylinder is refilled from other end.

Will throw water 60 feet from point of nozzle.

THIS PUMP IS PRACTICABLE

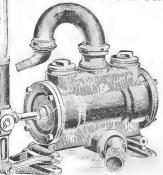


FIG. 805.

For filling thresher tanks, washing out boilers; for use in shallow stock wells, draining cellars and barnyards, and washing wagons, spraying fruit trees, putting out fires, and general use on a farm. It is fitted with drip cocks to drain cylinder.

PRICE-

Pump, with hose nipple, hose attachment, hoseband and strainer \$7.00.

-IMPROVED=

Close-Top Pitcher Spout Pump

Fig. 19 represents our I m p r o v e d Close-Top Pitcher-Spout P u m p. The construction of this style of pump is so well known and understood by pump dealers everywhere that we deem it unnecessary to give any extended description of extended description of

SIZES AND PRICES.

No. 1-

Diameter of Cylinder, 2½ in.—Suction, 1 in. PRICE-

Polished Iron Cylinder. List, \$4.25 Retail \$1.27 No. 2—

Diameter of Cylinder, 3 in.—Suction, 1½ in.

PRICE—Polished Iron Cylinder List, \$4.75 Retail \$1.42

Diameter of Cylinder, 3½ in.—Suction, 1¼ in.

PRICE-Polished Iron Cylinder. List, \$5.25 Retail \$1.57

PITCHER PUMP

LEATHERS.
No. 1-Valve and Plunger Leathers, each, 5c.
No. 2-Valve and Plunger Leathers, each, 8c.
No. 3-Valve and Plung-

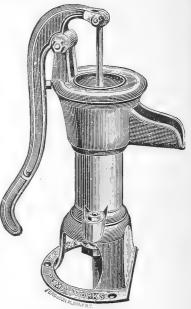


FIG. 19.

No. 1-2½ in. Leather Cups, 10c. No. 2-3 in. Leather Cups, 12c. No. 3-3½ in. Leather Cups, 15c.

-White Mountain Triple Motion Hand Freezers.

HE can moves from right to left; the outside beater moves from left to right, scrapes with its wooden bars the frozen from left to right, scrapes with its wooden bars the frozen cream from the can, and throws it toward the centre, where it is met by the floats of the inside beater moving in an opposite direction, and returned to the inside surface of the can to be re-frozen. The triple motion thus induced keeps the cream constantly moving and insures every particle being smoothly and evenly frozen. Prices—1-quart, \$1.35; 2-quart, \$1.80; 3-quart, \$2.00; 4-quart, \$2.50; 6-quart, \$3.25; 8-quart, \$4.25; 10-quart, \$5.25; 12-quart, \$6.50.

75.25; 12-quart, \$6.50. The factory makes a cheaper freezer, the Arctic, but we prefer to confine our line to the better grade. Prices—1-quart, \$1.35; 2-quart, \$1.45; 3-quart, \$1.65; 4-quart, \$2.10; 6-quart, \$2.75; 8-quart, \$3.60; 10-quart, \$4.50.

The Atlas Lifting Jack. This Jack is made of best material, and is adapted not only for greasing wagons, but it is very handy for lifting heavy articles about the place. Made in PRICES-No. 1, \$2.00; No. 2, \$2.50; No. 3, \$3.00.

RELIEF, CALVES' CORDIAL and ARABIAN S. & G. CURE. We are Agents for the COMMON SENSE CALF FEEDER, COWS'



THIS valuable acquisition to the dairy came to hand too late for proper classification. As it really has merit, we have contracted for a supply of them. It was awarded gold medal at the Pan-American Exposition. Over 50,000 in use. Adopted by experimental farms. Extra gain—one calf in eight weeks. Pays for two feeders.

Single Feeder (2 nipples), \$1.50.

Double Feeder, \$2.00.

COWS' RELIEF cures caked bags, heals sore teats, cures spider in the teat. The original.

CALVES' CORDIAL cures SCOURS in cows

CALVES' CORDIAL cures SCOURS in cows and calves in one day.

ARABIAN SCRATCHES AND GALL CURE is without an equal. It cures every horse every

Fresident Marston, of the Michigan Experimental Farms, says: "I have used all the above and have placed my order for more. I have tried every calf feeder, but like yours the best."

Single Calf Feeder (2 nipples) \$1.50
Double or Twin Feeder . 2.00
Calf Nipples and Long Tubing, each . .15
Cows' Relief—1/2-pound box . .50
Calves' Cordial . .50



Carriage and Buggy Department.

No. 39.

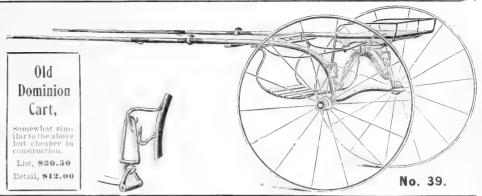
FARMERS' FAVORITE.

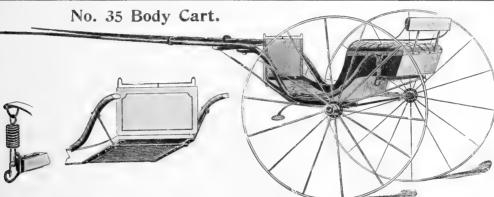
Sarven Wheels, One-Inch Axle, Semi-Elliptic Springs, Painting Dark Wine. PRICE. \$24.00

No. 15 BODY CART.

No. 15 BODY CARI.

WHEELS, Sarven patent; Four feet high, one inch tread. Gear—Double collar steel axle, one inch; coached; combination of larg sand small coil springs; adjusting irons for raising and lowering body to suit load. Body and seat—Body, 27 inches wide; seat, 30 inches wide, with box underneath for holding parcels; size of parcel box, 24x14x5½ inches. Trimmings—Imit-tion of leather; cushion and back. Painting—Body black; gear, Brewster green. List, \$31.00. Retail, \$20.00.





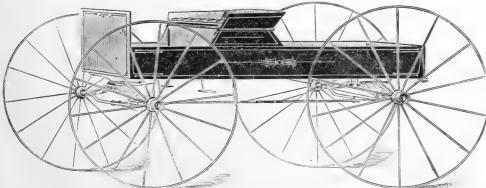
In this, as seen in cut, the step In this, as seen in cut, the step is in front, rendering it a very easy matter for ladies to mount, and the springs are so arranged that the only motion felt is that of a buggy. No horse mo-tion whatever. tion whatever.

tion whatever.

Wheels, Sarven patent, four feet high; I inch tread. Gear, double collar, steel axle, I inch, coached; four-leaf springs; combined with small coil springs; adjusting irons for raising or lowering body. Body, 27 inches wide; seat, 30 inches wide, with box underneath, 24x11x6 inches Trimmings, imitation leather; spring cushion. Painting, body black; gear, Brewster green. nicely striped.

List, \$40.00. Retail, \$23.00.





DUPLEX SPRING WAGON.

Axle, 1½ in.; 1½ in. steel fire; body? ft. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 1000 lbs. **\$45.00**.

Axle, 1 in.; 1 in. steel tire; body 6 ft. 6 in. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity. 600 to 800 lbs. One seat with cushion. 812.50.

We furnish Tops, Brakes, Two Seats and Lazy Backs with above wagons wher ordered. Tops extra, \$15. Brakes, \$3.

All wheels dipped in boiling oil.

We are offering Three Spring Wagons on same lines as above, $1\frac{1}{6}$ in. Axle \$47.50; 1 in. Axle, \$45.00.

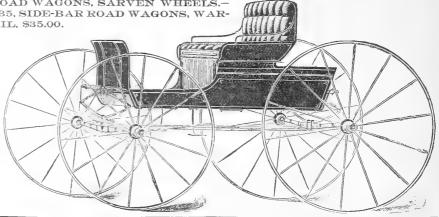
ARRIAGE AND **BUGGY DEPARTMENT**

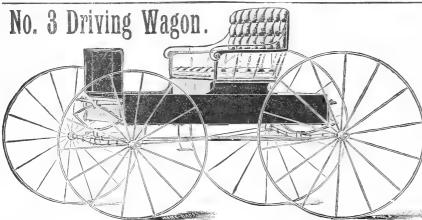
(CONTINUED) NO. 50, SPECIAL END SPRING ROAD WAGONS, SARVEN WHEELS.-LIST, \$48.00; RETAIL, \$27.50. NO. 35, SIDE-BAR ROAD WAGONS, WAR-NER WHEELS, LIST, \$60.00; RETAIL, \$35.00.

No. 4 Road Wagon.

Wheels—Sarven patent; % tread, with round edge steel tire. Gear—Double-Collar Steel Axle; 15-16 inch; fartail and swedged; three-leaf 34-inch Spring; axles bedded and reaches ironed. Body-Size, 49x24 inches on bottom; round corners and concave seat risers; steel body loops. Seat-Size, 16x27 inches, with detachable panel back. Trimmings-Leather dash; carpet in bottom; cushion and back green cloth or imitation of leather. Painting-Body, black; gear, Brewster green; both neatly striped.

List, \$60.00. Retail, \$35.00.

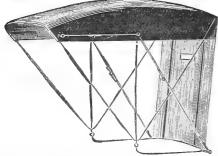




Wheels-Extra selected hickory; patent or compressed band; 7% inch roundedge steel tire, bolted at every spoke. Gear-Double-Collar Steel Axle, 15-16 inch, fantail and swedged; 36-inch four-leaf graded steel springs; gear woods best black hickory, with axle beds cemented to axles; wrought derby fifth wheel, with taper clip king bolt; bent reaches mortised in head-block and ironed full length. Body-Ash sills and poplar panels, with round corners, swelled sides, convex panels, with oval edge irons and concave seat risers; size, 24x54 inches; full-length steel body loops; wrought steps, with rubber pads; bottom boards put in from the bottom, giv-ing additional leg room. Seat—Size of bot-tom, 17x28 inches; polished beveled edged back. Trimmings—Leather dash; full-length tapestry carpet; cushion and back, whipcord leather; leather extra. Painting-Body, black; gear, Brewster green or carmine; neatly striped.

List. \$85.00. Retail, \$50.00.

BUGGY TOPS.



E. D. TOP.—Enamel drill; three or four tubular nd second-growth bows. Very stylish job. \$9.00. and second-growth bows. Very s Bows over 42 inches, 75c. extra.

O. TOP.—Fine Rubber Top; three or four tubular or second-growth bows. Stylish and substantial Top for new or old jobs. \$11.50. With Iron Seat, \$2.25 extra.

Over 42-inch bow, 75c. extra.

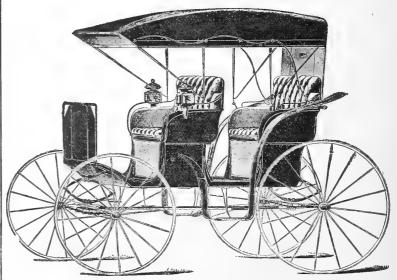
Ov. TOP.—Steel sockets; second-growth bows. Fine Rubber. A fine Top. Price, \$12.00. With Ironed Seat (extra), \$2.25. Bows over 42 inches, 75c. extra.

IN ORDERING TOPS, state length of seat from outside to outside on top of rim at widest part, and if a 3 or 4-bow top is wanted.

Tops are made for seats measuring from 28 to 38 inches, out to out on top of rim. Larger than the above will be charged extra.

To guarantee a perfect fit all Tops should be ordered with seats; this will obviate at times the annoyance of moving irons, and adjusting Top to old seats.

SURREY NO. 52.



Extension Top, Leather Quarter. Painted Brew striped and varnished. Cloth or leather cushions. Painted Brewster green or red, nicely Sarven or shellband Can be hung on Brewster Springs, if desired.

List, \$145.00.

Retail, \$90.00.



Y DEPARTMENT

The cut does not show the single-leaf feature of the spring, as it could not be obtained in time for this issue, but in every other respect it is the same. This is rather a new departure, but a most excellent arrangement. For ease of riding and general comfort it is not excelled by any other style. Axies % inch double collar steel; Warner or Sarven wheels, No. 1 quality 34 or 74 inch tread; tire boited between every spoke; body 22 inches wide; seat regular width; nickel hub bands; nickel prop nuts; trimmed in leather same as No. 52. A great favorite in the South.

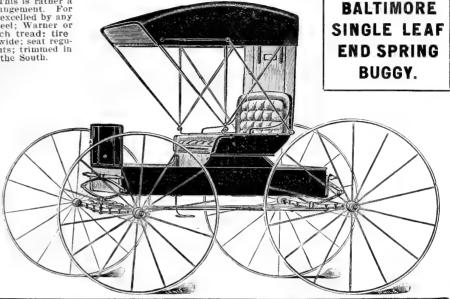
PRICE-List. Retail. Rubber Top. \$95.00
Leather Quarter. 100.00
Leather Top and Rubber Sides. 110.00
Full Leather Top. 120.00 70.00

No. 40 Side Bar Buggy, Piano Body

This is Similar in Construction to No. 52, but Not as Fine Grade.

Wheels, No. 1 grade, 3 feet 9 inches and three feet 5 inches high; Warner or shell band, 75x3-16 steel tire bolted between every spoke, double perch; well ironed; 15-16 inch double collar, steel axle; springs all clipped on axle; Brewster springs; body black; gear green; black or natural wood finish; can hang on other springs on sufficient notice. sufficient notice.

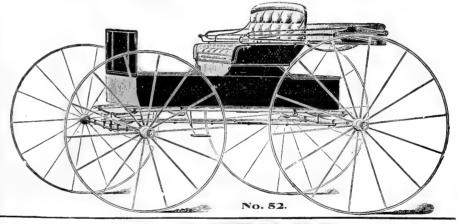
50.00



Brewster Spring Buggy

Seven-eighths Double Collar Swaged Seven-eighths Double Collar Swaged Steel Axles; shell band or Warner wheels, No. 1 quality; ¾ or ½ inch tread; steel tire botted between every spoke; body 22 inches wide; seat regular width, uphoistered in green or blue broadcloth or leather; cushions on back are plaited; seat lined; a neatly trimmed job; 28-ounce rubber top; nickel fasteners on stays; body hung low. It is nicely finished and style is exceedingly good. ingly good.

PRICE	à e	
	List.	Retail.
Rubber Top	3105.00	\$57.50
Leather Quarter		60.00
Leather Top and Rub-		
ber Sides	120.00	65.00
Full Leather Top	130.00	75.00
Nickel Rail	1.10	.65
Rim Sleeve Bands	1.50	.85
Nickel Cap	1.50	.85

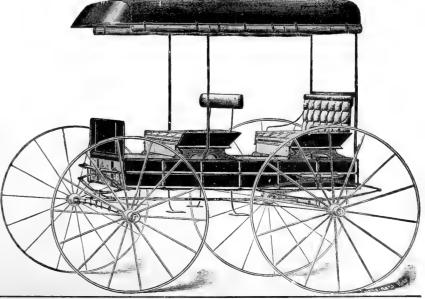


No. 4 Dayton.

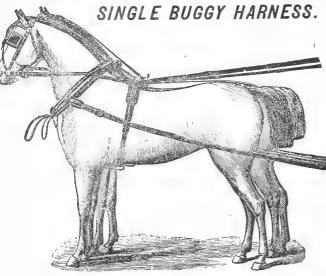
Length of body 5 feet 10 inches, width 2 feet 101/4 inches, frame and seats best white ash: panels best No. 1 poplar; wheels 3 feet 9 inches and 3 feet 5 inches high; 1 1-16 inch spoke; Warner or shell band; 1x1/4 inch steel tire; 1 1-16 inch steel axle, front spring 1% inch, 4 ply; two back springs 11/4 inch, 4 ply, oil tempered; gear best white hickory; cushions trimmed either leather or cloth; curtains 24 ounces, green back, gum; finished natural wood or painted as desired; hung on Brewster springs.

PRICE-List......\$110.00 Retail.....

Can also furnish in duplex or side bar at same price.



DEPARTMENT OF HA



No. 700-SINGLE BUGGY HARNESS.

Bridle, ½ inch; Traces, 1 inch; Saddle, 2½ inches; Breast Collar and Breeching, single leather; Flat Lines, with Web Hand-parts; X-C Mounting. Price, with Collar and Hames, \$7.20; with Breast Collar, \$6.60.

No. 603-SINGLE BUGGY HARNESS.

Bridle, % inch; Traces, 11% inches; Saddle, 3 inches, with Nickel Hook and Terrets; Breast Collar and Breeching, folded, with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$10.25; with Breast Collar, \$9.60.

No. 4-SINGLE BUGGY HARNESS.

Bridle, % inch; Traces. 1¼ inches; Saddle, 3 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting, with Nickel Hook and Terrets; imitation Hand Stitched Price, with Collar and Hames, \$12.60; with Breast Collar, \$11.50.

No. 93-SINGLE CARRIAGE HARNESS.

Bridle, % inch; Traces, 1¼ inches; Saddle, 3½ inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$13.50; with Breast Collar, \$12.60.

No. 94-SINGLE CARRIAGE HARNESS.

Bridle, 34 inch, Chain Front; Traces, 114 inches; Saddle, 4 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; Nickel Hook and Terrets, and balance of Mounting X-C; imitation Hand Stitched. Price, with Collar and Hames, \$14.25; with Breast Collar, \$13.25.

Save Money on the Farm by Using

Rivet Punches.

The "Farmers Factotum.

FOR MENDING HARNESS, BELTING, ETC.

PATAPP'D FOR E COM

A DAPTED for No. 1 Tubular Rivets, which are sold by the hardware trade. A sample package of assorted rivets furnished with each machine. This little machine will save more time and money for the farmers and liverymen than anything on the market. Price:

Tom Thumb . Rivets, box of 100, 15c.

"RAPID" HARNESS MENDERS



Patented-February 2, 1886; March 27, 1888.

The finest way of applying a buckle known. Any part of a harness can be mended in a very short time—no riveting, no sewing to rot away, and no special tools required.

Price, 25c. Per Gross; By Mail, 35c.

No. 354-SINGLE CARRIAGE HARNESS.

Bridle, 3/ inch Front; Traces, 11/2 inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$15.00; with Breast Collar, \$13.25.

No. A-HAND-MADE SINGLE BUGGY HARNESS.

Bridle, 5% inch; Traces, 1 % inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; Hand Stitched, Price, with Collar and Hames, \$22.25; with Hand Stitched. Pric Breast Collar, \$20.50.

No. 29-DOUBLE BUGGY HARNESS.

Bridle, 1/4 inch; Traces, 1 inch; fancy bound Pads; 1/4 inch side pieces and folded Bellybands; Turnback, 1/4 inch; Hip Strap, 1/4 inch, with patent leather Drops; flat Lines; Kip Collars; X-C Mounting. Price, \$19.20.

No. 19-DOUBLE BUGGY HARNESS.

Bridle, % inch; imitation Chain Front; Traces, 1½ inches; fancy bound Pads under same; 1½ inch side pieces and folded Bellybands; Turnback, ¾ inch; no Hip Strap; flat Lines; patent leather Collars; full Nickel or imitation Rubber Mounting; imitation Hand Stitched. Price, \$24.00.

No. 35-DOUBLE BUGGY HARNESS

No. 35-DOUBLE BUGGY HARNESS.

Bridle, % inch; Traces, 1½ inches; plain Pads, with leather Housings under same; 1½-inch side pieces; folded Bellybands; Turnback, ¾ inch, waved; flat Lines; patent leather Collars; Nickel or imitation Rubber Mounting; imitation Hand Stitched; nicely finished. Price, \$30.00.

No. 20-EXPRESS HARNESS.

Bridle, ¾ inch; Traces, 1½ inches, to buckle to Hames or with Heel Chains and attached to Hames; Saddle, 4½ inches, with Kersey Lining; folded Breeching, with straight lay; double Hip Straps; Brass or Nickel Mounting; imitation Hand Stitched. Price, \$21.50. No. 27-EXPRESS HARNESS.

Bridle, ¾ inch; Traces, 1¼ inches; Saddle 4 inches; red wood Hames, with X-C Ball Top; folding Breeching, with straight lay; double Hip Straps; X-C Mounting. Price, \$15.00.

No. 18-EXPRESS HARNESS.

Bridle, ¾ inch; Traces, ¼ inches, with Cock Eyes; Saddle, 4 inches, with Kersey Lining; red wood Hames, with brass Ball Top; folded Breeching, with straight lay; double Hip Straps; Brass Mounting; imitation Hand Stitched. Price, \$18.60.

No. 101/2-DOUBLE WAGON HARNESS.

Bridle, ¾ inch; Harness Leather Winkers; Ball Top Hames; 1½-inch Traces, riveted to Hames, with Chain Ends; folded Pad and Breeching; ¾ inch double Hip Strap; Kip Face Collars; flat Lines. Price, \$22.75.

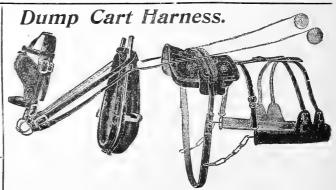
Lines. Price, \$22.75.

No. 9-DOUBLE WAGON HARNESS.

Bridle, ¾ inch; patent leather Winkers; Ball Top Hames; 1½-inch Traces, riveted to Hames, with Chain Ends; folded Pads and Breeching; ¾ inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, \$25.75.

No. 17-HEAVY DOUBLE WAGON HARNESS.

Bridle, ¾ inch; patent leather Winkers; Box Loop Checks; Brass Ball Top Hames; 2-inch Traces, riveted to Hames, with Chain Ends; heavy Pads and Breeching; 1-inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, \$38.40.



No. A-DUMP CART HARNESS.

Bridle, % inch; Lines. % inch; Breeching, 3 inches; No. 5 Saddle, leather covered; No. 62 iron-bound Hames; %-inch Hame Straps; Tug Chains; Kip Team Collar. Price, \$12.25.

No. 8-DUMP CART HARNESS.

Bridle, No. 218, with Winker Stays; Hames, No. 61, Virginia Hook, with straps; Collar, all Kip Team; Saddle, No. 8, Doubled and Stitched Top, full Pad, leather Girth; Breeching, No. 5, 3-inch double Body, 1½ inches Turnback, 1½-inch double Hip Straps. Price, \$18.00.

Prices on Cheap Cart Harness on Application.

HORSEBACK GOODS ON APPLICATION.

GRIFFITHE

STABLE REQUISITES. CURRY COMBS AND BRUSHES.



All steel, close back, 8 bars, plain knocker lacquered, enameled handle, brass ferrule, oval face, shank running through handle and rivered. Packed one dozen in box Cases made for 24 dozen.

Price 20 cents each, \$2,00 per dozen.

8 Bars, Hand Riveted.

PATENT APPLIED FOR. No. 480

No. 480-Columbia.-Lacquered. 25c. each. Packed one dozen in box. Cases are made for 24 dozen.

Price \$2.50 per dozen.

EIGHT BARS, EXTRA HEAVY.
No. 490-All steel shank runs through
handle and is riveted.

Price 25c, each, \$2.50 per dozen.

Packed one dozen in box. Cases are made for %1 dozen

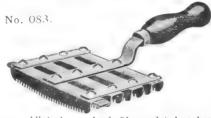
All Steel, Close Back,



All steel. close back, lacquered, extra size, oval face, curved knockers, braced shank extending through handle and riveted, enameled handle, brass ferrule, 8 bars. Packed one dozen in a box. Cases made for 24 dozen.

Price 25c. each, 5 for \$1.00.

All Steel, Open Back.



All steel, open back, 8 bars, plain knocker, japanned, carmine handle, steel ferrule, oval face. shank running through handle and riveted. Packed one dozen in box. Cases made for 24 dozen.

Each 15c. \$1.50 per dozen.

No. 699.

Adiustable Web Halters.

Continuous piece, solid color, No. 1 extra quality web, folded through metal corners, adjustable buckle. Leather chin piece with buckle. Rope lead, leather latch, snap.

PRICE...40 cents. Fancy Striped Halters.

No. 696.

Corners bound with leather, riveted to ng loops. Leather chin piece. Rope lead, ring loops. Leather chin piece. Rope leather latch, snap. Price 30 cents.

LEATHER BACK BRUSHES.



THE PROPERTY OF THE PARTY OF TH	
No. 35-Patent Leather Back Each	.40c.
No. 123—Yellow Leather Back "	.50c.
No. 400-Yellow Leather Back . "	.60c.
No. 999-Russet Leather Back "	,90c.
No. 80-All Bristle, Russet Leather,	
Flexible Back, Army, each	\$1.25
No. 445-All Bristle, Russet Leather,	
Flexible Back, Army, each	1.50
No. 100-London, warranted all white	
Bristle each	2.00

Dandy Brushes.



No. 10 Dandy Each	.20c.
No 20-Dandy "	.25c.
No. XX-Palmetto Dandy "	.40c.
No. 940 - Dandy	.45c.
No. 7009—Dandy, made of selected	
fine root "	.60c.

All of above are packed six in a box

No. 238.

Cyclone Leather Halters.

Rope Cattle Ties.

No. 652—1/2 in. Manula rope, eight feet long, single snap, Price 30 cents. No. 655—1/2 inch XX Sisal rope, eight feet long, single snap, Price 20 cents.

Hartman's Improved Hitching Post.

Cannot be broken or pulled out. Made of tubu-lar steel, thoroughly paint-ed. Anchored at the bot-tom and at the ground level. These posts fur-nished with Weldiess Steel Chain and Spring Snap complete.

Price complete, \$1.75

No. I Web Halters.

Continuous piece No. 1 Web through metal corners Leather chin piece. Rope Lead leather latch, with snap.

PRICE 25 cents.

No. 694.

No.698. Jute Web Halters. Jute Web, metal corners. Chin niece, one continuous piece rope piece, one continuous piece re Leather throat latch and buckle. Price.......35 cents each.

No. 238.

Rope Halters.

No. 684 1-2 in, Jute Rope, 15c, each

All of our rope goods are of best quality, standard size and full length.

Order by number for any kind of Halter.



ROPE HORSE TIES.

No. 652—Half Inch Manilla. ten feet long, (two snaps).

No. 667—Half Inch XX Sisal, ten feet long, (two snaps).

28

This Cleaner will remove one bushel of dust, dirt, stones, sticks, etc., from every twenty-five to thirty bushels of clean oats; or, in other words, each horse chokes down seven to ten bushels of dust, dirt, etc., per year, unless all oats are drawn through a Higbie Self-Acting Oats Cleaner.

Extending from top to bottom of the Cleaner are eleven downwardly inclined screens, operating in pairs. Below each pair of screens is located a \$\lambda\$ shaped table; thus the oats fall alternating from the screens to the tables, the object of the \$\lambda\$ shaped tables being to divide the oats and give them a very rapid impetus before dashing to the next set of screens. The operating valve is located in the top of the Cleaner. Directly below this is a large coarse grate which permits the oats to pass through, but throws off everything larger, such as stones, sticks, glass or any coarse trash that may be in the oats. Below this grate are the zig-zag screens and the tables extending through the entire cleaner to the discharge spout below. The dirt box is in the base of the Cleaner and may be emptied through a hand hole in the bottom.

Price........\$18.00 In use by Express Companies, Fire Departments, Baltimore Transfer Co., Armour, Swift, etc.

WEAVER'S PATENTED RIVETLESS STEEL STOCK TROUGH. THE only Steel Trough constructed without the use of rivets. Will not crack or burst on account of freezing. This Trough is made of No. 12 gauge steel, curved in semi-circular form, with ends of cast-iron fitted in each end of steel, and held in place by steel bands instead of rivets. These bands are shrunk around the end edges of steel, binding it firmly to the flange on the end. thereby making a perfectly water-tight joint. No. 3, 18 in. wide at top, 9 in. deep, per foot. No. 4, 20 " " 10 in. " Furnished in lengths from 4 to 20 feet. Shorter lengths cost same as 4-foot lengths.

IRON HOG TROUGHS.



No person raising hogs can afford to do without these Troughs. No danger in winter, when frozen full of ice, for them to burst. The price is within the reach of all. Twelve inches wide at top, 2 inches wide at bottom and 6 inches deep. Made in lengths from 2 feet up to 8 feet, every 6 inches. Weight, per foot, 13 ibs.

Price......40c. per foot.



Same shape as Hog Troughs. This is an indispensable article for parties raising poultry. Is readily cleaned, and no

No. 0-8 in. long, 3¼ in. wide at top, 1¼ in. deep20c.
No. 1-20 in. long, 4 in. wide at top, $1\frac{1}{2}$ in. deep35c.
No 2-24 in long 7 in wide at top, 3 in deep

CORNER MANGERS.

The "Sanitary,"

The rim is made of a superior quality of iron. The body of galvanized wrought steel. One of the best Mangers in use. The Government is using these "Sanitary" Mangers in preference to any other, large quantities being shipped to the Philippines.

1.40 Special prices in quantities.

We also have on hand CAST-IRON MANGERS, old style, as follows:

No. 188—16 inches long, 16 inches wide, 10 inches deep, weight 30 lbs., each...... \$1.25 No. 187—15 inches long, 15 inches wide, 8 inches deep, weight 22 lbs., each...... 1.00 Special prices in quantities.

CAST=IRON STALL GUARDS.



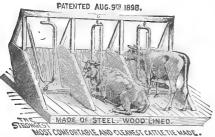
6 feet long, 25 inches high. Weight 74 lbs. \$4.00 Price, each Special prices in quantities.

Wrought Hay Racks.

Far superior to east-iron racks, as frequently used.

Price... .. \$1.50

THE TAYLOR STEEL STANCHION.



The Strongest Stanchion Made. Since the frame consists entirely of steel and malleable iron, it is practically indestructible and will last a lifetime.

Gives Free and Natural Movement of the Head and Neck. Swings on chains, top and bottom, and gives much more freedom to the cow's head than the old style, stiff Stanchion. Practically, the cows are as comfortable as when in the field; for they are able to lick their sides, and he down with the head on the shoulder as nature intended.

No Mortised Corners to Wear Loose. The corners are formed of solid angle steel, bent to shape, and are as strong, if not stronger, than the straight sides.

Not Cumbersome About Neck of Cattle. The angle steel used in the Taylor Stanchion, which is one and one-quarter inches by one and one-quarter inches wide, is less than one-fourth as large as the wood used in other Stanchions.

the wood used in other Stanchions.

Dimensions of Stall. For ordinary sized cattle give each a stall three feet wide by four feet six inches long, floor space. Make gutter along rear of stall of sufficient depth to catch all droppings. A stall so constructed with the Taylor Stanchion insures a larger production of milk.

DRHS COMPLETE.

			U 1. L				
No. 2-7½ in	on neck,	by 20 ia.	between bows	, list pric	e \$6.50	No. 6-9½ in. on neck, by 24 in. between bows, list price	9 50
No. 3-8 "	6.6	21	66 66		7.50	No. 7-10 25	10.00
No. 4-8½ "	6.6	22	66 66	4.6		Ox Bows, per pair, regular, list price	
No. 5-9 "	6.6	23	. 66 46	4.6	9.00	heavy, "	1.40

REQUISIT



Fig. 2.

Figs. 2 and 4.—Triumph Chains; very light; possess great stringth; all links have equal strength. Do notkink; no welds to give way; no starp

ges.		
No. 3-0-Triumph Cow Tie (Ohio pattern) Each,	8 .30	
No 4-0—Triumph Cow Tie (Ohio Pattern) Each	, , 35	
No. 3-0-4% ft. Triumph Halter Chain Each	30	
No 3-0-6 ft, Triumph Halter Chain Each	, .30	
No. 5-0-7 ft, Triumph Trace ChainsPer pair	, .70	
No. 6-0-7 ft. Triumph Trace Chains Per pair	80	
No. 5-0-31/4 ft. Triumph Butt Chains Per pair	10	
No. 6-0-345 ft. Triumph Butt Chains Per p ir		
No. 2-6ft. Triumph Kennel Chain Each	, .40	
No. 1-20 ft. Triumph Tethering Chain Each	, .90	
No. 0-20 ft. Triumph Tethering Chain, heavy Each,	, 1.00	

BROWN STEEL COW TIES AND HALTER CHAINS.

No. 3-0-Brown	Steel	Cow Ties (Ohio	pattern) Each	ı, 16c.
No. 4-0-Brown	Steel	Cow Ties (Ohio	pattern) Each	i, 20c.
No. 3-0-Brown	Steel	Halter Chains,	4½ ft Each	, 17c.

Fig. 3.



No 71—Spreader Chains (Pennsylvania pat-tern) black or self color, stiff, 83 25. No. 73—Repair Links, polished, 15c. doz. No, 75—Open Side Links, polished, 10c. each.

No. 58—Long Link Log or Ox Chain, 14x3.

No. 58—Long Link Log or Ox Chain, 14x3. -Long Link Log or Ox Chain, 14x1/2, No

10. 58 - Long Link Log or Ox Chain, No. 58 - Long Link Log or Ox Chain, 14x%, 83.00. No. 46-Cart Tug Chains, per pair, 30c.

Fig. 3-BREAST CHAINS.

Double Stiff, 5-16 Pair,	81.25
Double Stiff, 1/4 Pair,	1.20
Double SlackPair,	.80
Single Slack Pair,	.60

Fig. 7-REGULAR IRON TRACES.-See border. Fig. 1-No. 67-Fifth Chain-See border.—Round hook, ring and swivel, bright or black made with stretchers also if desired. No. 67, 10x38, with Reg. Hook. \$1.75; No. 68, 10x38 with Patent Hook, \$2.40; No. 1, Pennsylvania Pattern, block, stiff, heavy, \$6.00.



HAMES.

			Pair.
Loudon Patent Hames		8	1.00
Loudon Tie Hames			.75
Taylor Root Pat. Hames			.60
Taylor Root Tie Hames			.50
Sawed Pat. Hames			.50
Sawed Tie Hames		4	.30
Special prices to both wholes	al	e a	nd
retail dealers.			

Hame Strings.

Black, % 12c.	each.		per doz.
Black. % 15c.			per doz.
R. Hide, % 10c.	each.	1.00	per doz.

Buggy, Coach and Wagon Whips ...

Made of the best material. Bone, Raw-hide and Wood Handles.

SWEAT PADS.

Brown and White Drill.

This brand presents more attractive features than any similar line of medium-priced sweat collars on the market.

PRICES.

10 inch	 	25c.
11 inch	 	30c.
12 inch	 	35c.

Special Prices by the Dozen.



Folded Duck Back Bands.

000000000

Padded Duck Back Bands. PADDED ENTIRE LENGTH.

Can be used with either chain or rope traces. Our goods are full length; shorter lengths can be so d for less money.

Patent Hooks



No. 190-Draft Collars, split leather back and rim duck face, price, 90c.
No. 1101-Team do., heavy, price, \$1.25.
No. 136-Kip Team, sheep faced, price, \$1.75.
No. 155-Scotch Kip, back and rim tick faced, price, \$2 20.
No. 760-Heavy Kip Team, sheep faced, price, \$2.00.

Felt-Less.

Pinked, Felt Edges, Composite Filling, Four Hooks.



Old Gold Drill. Best on the Market,

50c. Cheaper

Old Gold 40c.



42, 44, 46 and 48 ins. Price....50c.



Skein and Axle Different from all Others. Oil Boiled Felloes, Stay-Chains, with Spring to Control Wheels.

Spring to Control Wheels.

Coll Springs are applied to Tongue—eases draft on team's neck when chains are forced to control tongue or hold back. They supply the place of the vibrating of Neck Yoke—yield to pull of chain or branch chain, saving team from jerking of tongue. Branch chain, saving team from jerking of tongue. Branch chains are added to each tongue, practically destroying side jerking and whipping motion—acts same as Neck Yoke.

Extension Shoe Skein is one of the greatest improvements, as it protects the axle as well as the skein, allowing the axle to be made of less material. The shoe of the skein supports the axle where it has the greatest load to bear, and is superior to the steel skein, as it allows a greater quantity of the axle to enter the shoe of the skein.

The skein is also chilled on its face, and will wear longer than a steel skein. The steel skein has no temper in it, and is as soft as iron, as it is required to be welded in its manufacture.

Number, Size and Capacity of Wagons.

No. 000-Complete with gear brake, top box and seat. Capacity

No. 2—Is a 3½x10 in. skein; 8½x10 in. hub; tire 1½x½ or ¾ in.; body 10 feet long by 15 to 16 inches deep inside, with gear brake, top box and seat. Capacity, 3500 lbs. Price. \$72.50
No. 3—15 a 3½x11 in. skein; 9x11 in. hub; 1½x½ or ¾ in. tire; body 9½ or 10 feet long and 15 to 18 inches deep inside, with gear brake, top box and seat. Capacity, 4500 lbs. Price. \$75.00
One-Horse Wagon—Is a 2½x½ in. skein; 7x3 in. hub; tire 1½x
7-16 in. Capacity, 1200 lbs. Has gear brake, top box and seat. \$50,00 In addition to above line of wagons, the company are building for

application.

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6.6		x 34	6.6		6.6	6.6	4.6								 	.13	.00
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EXTRAS ON TWO-HORSE BROWN WAGON.

Spring seat, each	\$2.50 2.00	Plain lower bed only\$9.00 Gear brake complete, with
Bed lock irons	.50	bed lock irons 4.00

STEEL FARM WAGON

Wheels 28x4 and 34x4, with removeable boxes and staggard spokes.

Price.......\$35.00 Brake...... Neck Yokes $\frac{3.50}{.75}$ 2.00 Doubletrees.

Capacity, 5000 pounds.

1500 64

2000



Bolsters are made of good white oak, with cast sockets

bolted on side, so stakes are moveable.

We make reach of white oak, 4x2% inches by 12 feet long, adjustable for the ordinary wagon box, or hay

long, adjustable for the ordinary wagon box, or hay ladders 16 feet long.

Axles solid steel 1% inches, fastened on the bottom of a groved white oak piece 3x5 inches, with steel clips. On the end of oak piece we bolt cast collar or sand band; improved Lynch pin.

We make the Standard Gauge 5 feet from centre to centre of tires; 3 feet 6 inches between standards. Narrow Gauge 4 feet 6 inches from center to center of tires; 3 feet 2 inches between standards

State if Standard or Narrow Gauge Wanted.

Doubletree, Neck Yoke and Brake are extra

NORTH PATENT ADJUSTABLE BOLSTER SPRINGS



Wagon will last longer, will carry load in much better condition, particularly fruit or produce. To carry 1000 lbs, \$4.00 To carry 4000 lbs, \$10.00 6.00 5000 11.00 12.00

8.00

6.6

6000

Shows Center Spring

in Position for Heavy Load.

MILLER'S IMPROVED WAGON JACK.

It is Made in Three Sizes,

..... 2.25

We also have a cheap Jack, very simple in construction, but one which is easily handled, and which is all right for light work. Price, 50 cents.

THE COMMON SENSE BOLSTER SPRI



				Pe	er set.				Perset
o.	carry	1000	lbs		\$5.00	To car	rry 4000	lbs	\$8.00
	66					1.6	5000	46	9.00
		2000	6.6		6.00	6.6		***************************************	10.00
	4.6	2500	66		6.50	4.6	8000		
	66	3000	6.6		7.00	4.6	10000	** ************************************	12.00



THE GRIFFITH & TURNER ONE the GRIFFITH & TURNER ONE-HORSE WAGON has adjustable reach, front hounds, patent wheels, double box, spring seat, and gear or body brake. It is substantially made, and especially adapted for general use. It has an excel-lent finish, and gives satisfaction.

PRICES G. & T. ONE-HORSE WAGON.

G. & T. One-Horse Wagon, without brake	830.00
G. & T. One-Horse Wagon with	
gear brake	33.00
only, without brake	27.00
G. & T. One-Horse Wagon, gear	
only, with brake	5.00
Bodies	7.50

No. 20 ONE-HORSE WAGON, ca pacity 1500 to 1800 pounds, \$5 each higher than G. & T. Wagon above.

THE GRIFFITH & TURNER Solid Steel and Tubular Steel Axle Wagons.

These Wagons are all heavily troned and braced, and for use in rough and hilly country they are specially adapted, being exceptionally strong. The wheels are dipped in Boiling Oil, and the roundedge tire is used for the protection of felloes and paint. They are one of the lightest-running Wagons made. There is an increasing demand in sandy countries for steelaxle Wagons, and our trade in this style has grown immensely.

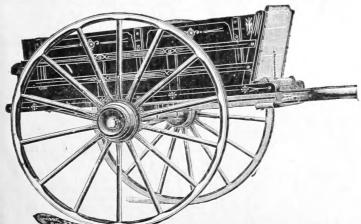
The prices include Whiffletrees, Wrench, Stay Chains, Tongue Chains' Box, Top Box, Spring Seat and Gear.

All Wagons will be arranged with Shafts for one horse instead of Tongue when ordered at same price. Note prices on brakes.

	Treparation
GRIFEITH & TURNER CS	
GRIPTIN & TOTAL CO.	
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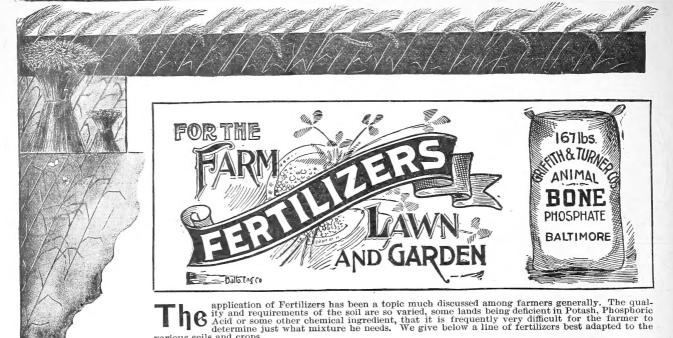
Size of Nos. Steel	Size of Tub'l'r	Size	Height o	f Wheels.	Di	mensions of	Body.		Wght.	Capacity.	Wagon complete		Gears	Gears only
Axle.	Axles.	Tires.	Front.	Rear.	Length.	Width.	D	epth.	wgnt.	Capacity.	brakes.	with brakes.	with brakes.	brakes.
21 11/2	1%x 8		3 ft. 6 in.	4 ft. 0 in.	9 ft. 6 in.	3 ft. 6 in.	12	6 in.		2,000 to 2,500		\$51.00	\$45.00	\$41.50
22 15%	21/8x 8	2 x½	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	12	6 in.	900	2,500 to 3,000		63.00	57.00	52.00
23 1%	2%x 9	2 x5/8	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	12	8 in.	1,000	3,000 to 3,500		64.50	58.50	53.50
24 2	25%x 1	2 x3/4	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	14	8 in.	1,200	4,000 to 4,500		70.50	63.00	59.50
25 21/4	27/8×11	3 x34	3 ft. 6 in.	4 ft. 2 in.	Ru	nning Gear			1,200	6,000	78.50	84.50	78.50	74.00
$26 2\frac{1}{2}$	31/8×12	3 x3/4	3 ft. 6 in.	4 ft. 2 in.	Ru	nning Gear				8,000			84.50	80.00
For Tire	es wider	than abo	ve on Nos.	22 and 23,	add \$4.50 p	er inch; on	Nos.	24, 25 8	nd 26, a	add \$5.50 per	inch. Re	ear Brake	extra,	\$4.50.

FARM AND CONTRACTOR'S CART.



These Carts are very strong, heavily ironed, nicely painted, striped and varnished. They are specially adapted for use by Farmers and Contractors. Incorporated in these Carts are all of the best features of the old-style farm cart, even to the trap stick, which we retain, considering it far ahead of any of the patent devices. In consequence of these points we have now unquestionably the best article of its kind ever introduced. We have sold these carts more or less extensively throughout Maryland, Virginia, Pennsylvania, New York, New Jersey, North Carolina and other parts of the South, and, judging from our largely increasing trade, we are prepared to say that it is Just the Cart Needed. It has been our sole aim to have nothing but the best.

Size of Axle.	Size of Tires.	Diam. of Wheels.	Price.
11/2 inches	2 inches	4 ft. 10 in.	\$32.50
11/2 inches	3 inches	4 ft. 10 in.	35.00
2 inches	2 inches	4 ft. 10 in.	37.50
2 inches	3 inches	4 ft. 10 in.	40.00



ANIMAL BONE PHOSPHATE.

various soils and crops.

Made principally from Animal Bone, Potash Made principally from Almais Bone, Focasi and Ammoniates in proper proportion. A com-plete manure always gives good results. Spec-ially adapted to the growth of Peas, Cabbage, Wheat and Grass—it contains all of the ingre-dients necessary to supply what may be lack-ing in the soil for almost any crop.

Price, \$28.00 per ton.

AMMONIATED ALKALINE PLANT

Our old stand-by for summer crops is used largely on Potatoes, Corn, Tobacco and other summer crops, stands the hot, dry weather particularly modified to the control of th ticularly well.

Price, \$22.50 per ton.

AMMONIATED BUTCHERS BONE PHOSPHATE.

Is made largely from slaughter-house stock; used principally for Wheat and Grass, as well as by growers of Corn and Tomatoes for canning purposes; a good article at a low price.

Price, \$22.50 per ton.

SOFT GROUND BONE.

Made from softer material than the regular Made from softer material than the regular "Ground Bone," and contains some little meat and blood. The great objection to the use of Pure Bone (the price) no longer prevents its use by anyone wanting to restore worn-out land. Try it and be convinced.

Price, \$27.00 per ton.

DISSOLVED BONE.

Made from stock containing some meat, thoroughly dissolved, and in fine drilling condition. Farmers wishing a Fertilizer for immediate action will find in this brand a reliable manure ogood value, and one whose good effect can be seen for a long time.

Price, \$27.00 per ton.

AMMONIATED SOLUBLE BONE.

Made for our Pennsylvania trade exclusively, where it is well and favorably known.

Price, \$20.00 per ton.

SOLUBLE BONE PHOSPHATE.

A good cheap Fertilizer. Quite a number of chemists claim that Ammonia adds very much to the cost of Fertilizers without being of much to the cost of Fertilizers without being of much agricultural value; that is, sufficient Ammonia can be obtained from the atmosphere, etc., etc. Whether or not this theory is correct, quite number of people have used our Soluble Bone with very satisfactory results. To supply such a trade we offer the above.

Price, \$16.00 per ton.

TOBACCO BED FERTILIZER.

This brand is specially well adapted for use on tobacco beds, containing 10 per cent. of Ammonia and a large percentage of Potash and Phosphoric Acid. A most excellent substitute for Peruvian Guano. In bags, 167 lbs.

\$4.00 per bag, \$45.00 per ton.

SPECIAL MIXTURE.

A brand introduced by us; a complete 'ertilizer, containing Ammonia, Potash Fertilizer available Phosphoric Acid in proper proportion

Price, \$17.00 per ton.

PERUVIAN GUANO.

10 per cent. goods. In bags of 167 pounds. Prices on application.

HIGH GRADE ACID PHOSPHATE.

Best grade of S. C. Phosphate, thoroughly dissolved and in good, dry condition.

Prices on application.

KAINIT.

Containing about 25 per cent. Sulphate of Potash. In bags of 200 pounds each.

Prices on application.

MURIATE OF POTASH.

Contains about 80 per cent. of Muriate; is specially adapted for rejuvenating old, worn-out soils, which, when used in connection with other ingredients, makes a good Potato Fertilizer.

Prices on application.

NITRATE OF SODA.

Is very quick in its action, and forces from ten days to two weeks. Should be used after plants have gotton good start; is very soluble, and 200 to 250 pounds to the acre is a good dress-ing; application should be made in connection with plaster or some similar article.

Prices on application.

LAND PLASTER.

In bags 200 pounds each.

90c. per bag. \$7.50 per ton.

FINE GROUND FISH.

Contains a large percentage of Ammonia. A very desirable form, quick in action.

Prices on application.

GROUND TANKAGE.

In good, dry condition, and ground fine. Prices on application.

PULVERIZED SHEEP MANURE.

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil. As a top dressing for lawns, it is unequaled.

5 lbs. 25c.; 10 lbs., 40c.; 30 lbs. \$1.00; 50 lbs, \$1.50; 100 lbs. \$2.50

BONE FLOUR.

Made especially for Florists and Gardeners. This flour is passed through a 30-mesh screen, and is consequently exceedingly fine, and in addition to this, it is the Pure Bone, containing no foreign matter at all. Write for sample.

Price, \$4.00 per bag of 167 lbs.

A certain amount of judgment is necessary in the application of plant food or else the best will often fail to measure up to the requirements.

The various brands described above are confidently placed on the market as being the result of years of experience in the manipulation of commercial Fertilizers.

BETTER VALUES FOR YOUR MONEY.

ANDLING the various lines, as we do, enables us to keep a large force employed during the entire year, which ensures us efficient employes to properly attend to our customers' wants when the busy seasons are upon us. By buying large quantities of goods from one house the purchaser can secure better values for the money than could be gotten from a number of houses, besides the extra time consumed. The expenses of our salesmen, when on the road, are no greater when handling a number of lines than when confined to one.

There are many farmers that work on the "'TWILL DO" system. "'TWILL DO" won't do; nothing is perfect

"'TWILL DO" won't do; nothing is perfect refer are many farmers that work of the Twill by system. Twill by work to, forming is perfect except that which is just right. Take the case of a SILO for instance; some men think it is economy to build their own, without knowing its exact requirements. "Twill do," they say, and perhaps it will answer for one season. It is the same in other things. When they buy Farming Implements, "Twill do" is again their motto. They buy an inferior article because it takes less outlay, but expect it to do as well as a first-class article, which MUST COST MORE MONEY, and in the end they have to duplicate the cheap implement in a very short while, unless experience has taught them that "TWILL DO" won't do.

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